Dear Mr. Terry Hurlburt:

Recently, an incident, complaint, or other condition required our staff to conduct an investigation of pipeline facilities operated by your company. The facilities and the subject of the investigation are identified in the attached Safety Evaluation Summary. Investigations are conducted in accordance with pipeline safety requirements of the Texas Utilities Code, Section 121.201 for natural and other gas pipeline facilities and TEX. NAT. RES. CODE, Sections 117.001 and 117.011 (Vernon Supp. 2002) for hazardous liquid pipeline facilities.

During the investigation, selected physical conditions, written procedures, and records were reviewed. At the time of this investigation, alleged violations of the minimum safety regulations were found and are detailed in this correspondence. Action should begin immediately to correct the listed violation(s) and submit to this office a schedule and correction plan.

The correction plan should be an item-by-item explanation of exactly how and by what exact date each individual violation will be corrected. The date specified in the Safety Evaluation Summary is the date we should receive your plan, not the date you are to have the alleged violation(s) corrected. Our staff will review the plan for compliance with the safety requirements.

It is your responsibility to take action, not only to correct the specific deficiencies list in the attachment, but also to recognize and correct any other conditions which do not meet the minimum safety standards.
August 31, 2010

Page 2

If you have any questions, do not hesitate to contact the Pipeline Safety Staff at the phone numbers listed in the Safety Evaluation Summary.

Sincerely,

Mary L. McDaniel, P. E.

Enclosure: Safety Evaluation Summary
          Alleged Violation List
Railroad Commission of Texas
Safety Division
Safety Evaluation Summary

Inspection Package: 102783
Activity/Classification: Specialized/Accident

Operator:
7350 ENTERPRISE PRODUCTS OPERATING LLC
Mr. Terry Huriburt
Sr. Vice President Operations
1100 Louisiana
Houston, TX 77002

Unit:
23150 ENTERPRISE/HLLS3OR-ABILE
Inspection Package Performed
Start Date: 06/07/2010
End Date: 07/30/2010

<table>
<thead>
<tr>
<th>Eval No</th>
<th>System ID and Name</th>
<th>System Type</th>
<th>Repeat</th>
<th>Uncorrected</th>
<th>Corrected</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>20102152</td>
<td>2111 SYSTEM OF COMPANY ID 7350</td>
<td>Company System</td>
<td>0</td>
<td>5</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>20101818</td>
<td>630930 225 EAST</td>
<td>Gas Transmission</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

Inspector(s)

<table>
<thead>
<tr>
<th>Inspector(s)</th>
<th>Regional Office</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Sein</td>
<td>Fort Worth</td>
<td>(817) 882-8966</td>
</tr>
<tr>
<td>Terry Sullivan</td>
<td>Fort Worth</td>
<td>(817) 882-8966</td>
</tr>
<tr>
<td>Randy Vaughn</td>
<td>Houston</td>
<td>(713) 869-8425</td>
</tr>
<tr>
<td>Rick Daniel</td>
<td>Houston</td>
<td>(713) 869-8425</td>
</tr>
</tbody>
</table>

Action

A plan of correction is due by September 29, 2010

Important Note: The pipeline system(s) listed above are identified by a number and name and represent the physical pipe, valves and other components operated by your company. Additionally, there may be a pipeline system listed that is named "System of Company ID Number" where "number" is the identification number of your company. This system is used to represent your company and does not represent any physical pipeline system. For internal purposes it allows the Commission to more properly record inspection work performed at the company level. Where deficiencies are found in programs, plans, procedures, and records at the company level and are not with a specific physical system, alleged...
Railroad Commission of Texas  
Safety Division  
Alleged Violation List  

All correspondence must include the Inspection Package and Evaluation Number  

Inspection Package: 102783  
Activity/Classification: Specialized/Accident  

System Name: SYSTEM OF COMPANY ID 7350  
Evaluation Number: 20102152  

Item Number: 1  
Action Needed: Violation requires a plan of correction by September 29, 2010.  
Description: Plans, procedures and/or programs required by Part 49 CFR 192 were not maintained, modified, or followed as necessary.  
Requirement: 49 CFR 192.13(c)  
Notes:  
Description: Other: Line Locating Procedures  
Location: George's Creek Ranch, Johnson County, Texas  
Comment: The technician failed to follow Enterprise Procedures for Temporary Line Locating and marking of Pipeline Facilities. Refer to EPOLLC Operating and Maintenance Procedures Manual for DOT & State Jurisdictional Gas Pipeline Facilities. Additional State Regulations. Section 2810, Page 10 thru 13, Dated 12/15/09 and Referencing 16 TAC 8.1 through 8.245 and 16 TAC 18.1 through 18.2. Procedures to determine the necessity for inspecting pipelines during and after excavation activity were not followed. The operator did not provide temporary markings of buried pipelines in the area of excavation activity before, as far as practical, the excavation activity began.  

Item Number: 2  
Action Needed: Violation requires a plan of correction by September 29, 2010.  
Description: The operator did not ensure that pipeline personnel were qualified to perform covered tasks as required in the written qualification program.  
Requirement: 49 CFR 192.805(b)  
Notes:  
Description: Operator Qualification  
Location: George's Creek Ranch, Johnson County, Texas  
Comment: The operator did not ensure line locating personnel were qualified to use GPS information to determine the location of intended excavation activities referenced within the one-call notification.  

Item Number: 3  
Action Needed: Violation requires a plan of correction by September 29, 2010.  
Description: The operator's qualification program did not provide written procedures for ensuring through evaluation that individuals performing covered tasks are qualified.  
Requirement: 49 CFR 192.805(b)  
Notes:
Railroad Commission of Texas
Safety Division
Alleged Violation List

All correspondence must include the Inspection Package and Evaluation Number

Inspection Package: 102783  Activity/Classification: Specialized/Accident
System Name: SYSTEM OF COMPANY ID 7350  Evaluation Number: 20102152

Description: Operator Qualification
Location: George's Creek Ranch, Johnson County, Texas

Comment: The operator's written qualification program did not provide procedures for ensuring through evaluation personnel knowledge of GPS equipment when locating pipeline facilities.

Item Number: 4
Action Needed: Violation requires a plan of correction by September 29, 2010.
Description: The operator did not conduct the prescribed post-accident testing for the presence of a prohibited drug.
Requirement: 49 CFR 199.105 (b)

Notes:
Description: Other: Pipeline
Location: Incident site
Comment: The testing was not performed within the prescribed interval.

Item Number: 5
Action Needed: Violation requires a plan of correction by September 29, 2010.
Description: The operator did not require a covered employee to submit to a post-accident alcohol test required under 199.225 (a).
Requirement: 49 CFR 199.223

Notes:
Description: Other: Pipeline
Location: Incident site.
Comment: The testing was not performed within the prescribed interval.
Item Number: 1

Action Needed: Violation requires a plan of correction by September 29, 2010.

Description: Line markers were not placed or maintained as close as practical over each buried main or transmission line at the following location(s):

Requirement: 49 CFR 192.707(a)

Notes:
- Description: Line Marker
- Location: George’s Creek Ranch, Johnson County, Texas
- Comment: Pipeline Markers were inadequate.
Pipeline Failure Investigation Report

Pipeline System: 630930  Operator: 7350
Location: Cleburne, Texas in Johnson County on George’s Creek Ranch  Date of Occurrence: June 7, 2010
Medium Released: Natural Gas  Quantity: 172,000 MCF
PHMSA Arrival Time & Date: N/A  Total Damages $ 1,029,000 estimated
Investigation Responsibility: ☑ State ☐ PHMSA ☑ NTSB Other

Company Reported Apparent Cause: ☑ Excavation  ☐ Corrosion  ☐ Incorrect Operation  ☐ Other Outside Force Damage
☐ Natural Forces  ☐ Equipment and Operations  ☐ Other

Rupture  ☑ Yes  ☐ No  Number of Persons ______  Area ______
Leak  ☐ Yes  ☑ No
Fire  ☑ Yes  ☐ No
Explosion  ☑ Yes  ☐ No
Evacuation  ☐ Yes  ☑ No

Narrative/Summary
Short summary of the Incident/Accident which will give interested persons sufficient information to make them aware of the basic scenario and facts.

At approximately 2:40 p.m. CST on Monday, June 7, 2010 an Enterprise Products Operating, LLC, 36-inch natural gas pipeline was struck by a third party auger drilling a 48-inch diameter hole to install high wire electrical poles. Within a short period of time the line ruptured and ignited. C&H Power Pole was the contractor working to install the power poles for Brazos Electric Cooperative. There was one fatality and eight persons injured. The incident occurred near the intersecting boundaries of Somerville, Johnson and Hood counties on County Road 1120 approximately 3 miles North of Highway 67 on the George’s Creek Ranch. The natural gas transmission line, Pipeline Safety System ID 630930 known as 225 East, is owned and operated by Enterprise Products Operating, LLC.
# Pipeline Failure Investigation Report

Region/State: 6 / Texas
Principal Investigator: Terry Sullivan
Date: August 30, 2010

Reviewed by: [Signature]
Title: Director
Date: 8/31/2010

## Failure Location & Response

**Location (City, Township, Range, County/Parish):**
Cleburne, Texas, intersecting boundaries of Somerville, Johnson, and Hood counties

<table>
<thead>
<tr>
<th>Address or M.P. on Pipeline:</th>
<th>Type of Area (Rural, City):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intersecting boundaries of Somerville, Johnson, and Hood counties on County Road 1120 approximately 3 miles North of Highway 67 on the George's Creek Ranch.</td>
<td>Rural</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Latitude: 32.31475  Longitude: -97.6145</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Date: June 7, 2010</th>
<th>Time of Failure: 2:40 p.m.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time Detected: 2:41 p.m.</td>
<td>Time Located: 2:52 p.m.</td>
</tr>
</tbody>
</table>

How Located: Notification from a Producer on the pipeline.

<table>
<thead>
<tr>
<th>NRC Report #:</th>
<th>Time Reported to NRC:</th>
</tr>
</thead>
<tbody>
<tr>
<td>943140 &amp; 943141</td>
<td>5:52 p.m. &amp; 5:56 p.m.</td>
</tr>
</tbody>
</table>

Reported by: John Jewett

Type of Pipeline:

- Gas Distribution
- Gas Transmission
- Hazardous Liquid
- LNG

- [ ] LP
- [ ] Interstate Gas
- [ ] Interstate Liquid
- [ ] LNG Facility

---

1. Photo documentation

Form 11 Pipeline Failure Investigation Report (Revised 03/17/06)
Pipeline Failure Investigation Report

### Failure Location & Response

- [ ] Municipal
- [x] Interstate Gas
- [ ] Interstate Liquid
- [ ] Public Utility
- [ ] Jurisdictional Gas Gathering
- [ ] Offshore Liquid
- [ ] Master Meter
- [ ] Offshore Gas
- [ ] Jurisdictional Liquid Gathering
- [ ] Offshore Gas - High H2S
- [ ] CO₂

Pipeline Configuration (Regulator Station, Pump Station, Pipeline, etc.): The site of the incident is between Block Valve 14 at Decordova Compressor Station and Block Valve 15.

### Operator/Owner Information

**Owner:** ENTERPRISE PRODUCTS OPERATING, LLC  
**Address:**  
1100 Louisiana Street  
Houston, Texas 77002-5225

**Company Official:** Terry Hurlburt  
**Phone No.:** 713-381-2531  
**Fax No.:** 713-803-2666

**Operator:** ENTERPRISE PRODUCTS OPERATING, LLC  
**Address:**  
1100 Louisiana Street  
Houston, Texas 77002-5225

**Company Official:** Terry Hurlburt  
**Phone No.:** 713-381-2531  
**Fax No.:** 713-803-2666

**Drug and Alcohol Testing Program Contacts**  
N/A

**Drug Program Contact & Phone:** Pipeline Testing Consortium, Inc. 800-294-8758  
**Alcohol Program Contact & Phone:** Pipeline Testing Consortium Inc. 800-294-8758

**Sharon Berry**  
**Enterprise Drug & Alcohol Compliance Coordinator**  
1100 Louisiana Street, Houston Texas 77002-5225  
713-381-6620

### Damages

- **Product/Gas Loss or Spill:** 172,000 MCF
- **Amount Recovered:** None
- **Estimated Amount:** $750,000

**Estimated Property Damage:** $279,000

**Associated Damages:** Not confirmed

**Description of Property Damage:**  
Approximately 100 feet of 36-inch steel pipe failed at the 12 O’clock position and approximately 5 to 10 acres of land was burned. The drill Auger Truck was a total loss and other associated equipment were severely damaged or burned.

**Customers out of Service:**  
- [x] Yes  
- [ ] No  
**Number:**

**Suppliers out of Service:**  
- [ ] Yes  
- [x] No  
**Number:** 4

### Fatalities and Injuries

<table>
<thead>
<tr>
<th>Category</th>
<th>Yes</th>
<th>No</th>
<th>Company:</th>
<th>Contractor:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatalities:</td>
<td>[x]</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Injuries - Hospitalization:</td>
<td>[x]</td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Injuries - Non-Hospitalization:</td>
<td>[x]</td>
<td></td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

**Public:**

---

2 Initial volume lost or spilled  
3 Including cleanup cost

Form 11 Pipeline Failure Investigation Report (Revised 03/17/06)
**Pipeline Failure Investigation Report**

<table>
<thead>
<tr>
<th>Name</th>
<th>Job Function</th>
<th>Yrs w/ Comp.</th>
<th>Yrs. Exp.</th>
<th>Type of Injury</th>
</tr>
</thead>
<tbody>
<tr>
<td>James Neese</td>
<td>Auger Truck Operator</td>
<td></td>
<td></td>
<td>Fatality</td>
</tr>
<tr>
<td>Irl Jay Hooper</td>
<td>Mechanic, C&amp;H Power Line</td>
<td></td>
<td></td>
<td>Injury</td>
</tr>
<tr>
<td>Tyler Shorter</td>
<td>C&amp;H Power Line</td>
<td></td>
<td></td>
<td>Injury</td>
</tr>
<tr>
<td>Steven Pittman</td>
<td>C&amp;H Power Line</td>
<td></td>
<td></td>
<td>Injury</td>
</tr>
<tr>
<td>William Stull</td>
<td>C&amp;H Power Line</td>
<td></td>
<td></td>
<td>Injury</td>
</tr>
<tr>
<td>Cody Shaffer</td>
<td>C&amp;H Power Line</td>
<td></td>
<td></td>
<td>Injury</td>
</tr>
<tr>
<td>Anthony Pittman</td>
<td>C&amp;H Power Line</td>
<td></td>
<td></td>
<td>Injury</td>
</tr>
<tr>
<td>Jim Lowery</td>
<td>C&amp;H Power Line</td>
<td></td>
<td></td>
<td>Injury</td>
</tr>
<tr>
<td>Corey Gauteresaux</td>
<td>C&amp;H Power Line</td>
<td></td>
<td></td>
<td>Injury</td>
</tr>
</tbody>
</table>

**Drug/Alcohol Testing**

Were all employees that could have contributed to the incident, post-accident tested within the 2 hour time frame for alcohol or the 32 hour time frame for all other drugs?

☐ Yes  ☒ No

<table>
<thead>
<tr>
<th>Job Function</th>
<th>Test Date &amp; Time</th>
<th>Location</th>
<th>Results</th>
<th>Type of Drug</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Pipeline Controller</td>
<td>6/7/10</td>
<td>Houston</td>
<td>☒ Yes</td>
<td>N/A</td>
</tr>
<tr>
<td>Operations Specialist</td>
<td>6/8/10</td>
<td>San Antonio</td>
<td>☒ Yes</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**System Description**

Describe the Operator's System:

The system is the North Texas Gas System Line Number 225 and is 388.973 miles in length. It is a 36-inch, API-5L X-65 Pipe. The incident occurred on the 225 East, an 85 mile section of the North Texas Gas System. The line was constructed in 1970, and the pipeline permit is currently listed under Enterprise Products Operating, LLC, T-4 permit #03883. The previous operator was listed as El Paso Field Services, LP and was transferred in 2006 to Enterprise.

**Pipe Failure Description**

☐ N/A

Length of Failure (inches, feet, miles): 100 Feet

Position (Top, Bottom, include position on pipe, 6 O'clock):
Top at the 12 O'clock position.

Description of Failure (Corrosion Gouge, Seam Split):
Rupture along the pipe at the 12 O'clock position.

Labatory Analysis:
☒ Yes  ☐ No

Performed by: On-Going at the time of this report.
Pipeline Failure Investigation Report

Pipe Failure Description

Preservation of Failed Section or Component: ☑ Yes ☐ No
If Yes - Method: Wrapped

In Custody of: National Transportation Safety Board

Develop a sketch of the area including distances from roads, houses, stress inducing factors, pipe configurations, etc. Bar Hole Test Survey Plot should be outlined with concentrations at test points. Direction of Flow.

Component Failure Description ☑ N/A

Component Failed: (t)
Manufacturer: Model:
Pressure Rating: Size:
Other (Breakout Tank, Underground Storage):

Pipe Data ☑ N/A

Material: Carbon Steel
Diameter (O.D.): 36 inch
SMYS: 65,000
Longitudinal Seam: Longitudinal ERW
Pipe Specifications (API 5L, ASTM A53, etc.): API 5L

Wall Thickness/SDR: 0.406
Installation Date: 9/1/1970
Manufacturer: Unknown
Type of Coating: Coal Tar Epoxy Wrap

Joining ☑ N/A

Type: DSAW
NDT Method: X-Ray
Inspected: ☑ Yes ☐ No

Pressure @ Time of Failure @ Failure Site ☑ N/A

Pressure @ Failure Site: 950 p.s.i.g.
Elevation @ Failure Site: 860 Feet

Pressure Readings @ Various Locations:

<table>
<thead>
<tr>
<th>Location/M.P./Station #</th>
<th>Pressure (psig)</th>
<th>Elevation (ft. msl)</th>
<th>Upstream</th>
<th>Downstream</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Direction from Failure Site

Upstream Pump Station Data ☑ N/A

Type of Product: API Gravity:
Specific Gravity: Flow Rate:
Pressure @ Time of Failure (4)
Distance to Failure Site:
High Pressure Set Point: Low Pressure Set Point:

---

4 Obtain event logs and pressure recording charts
## Pipeline Failure Investigation Report

### Upstream Compressor Station Data

<table>
<thead>
<tr>
<th>Specific Gravity</th>
<th>Flow Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pressure @ Time of Failure</th>
<th>Distance to Failure Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>(4)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>High Pressure Set Point</th>
<th>Low Pressure Set Point</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Operating Pressure

<table>
<thead>
<tr>
<th>Max. Allowable Operating Pressure: 1051 p.s.i.g.</th>
<th>Determination of MAOP: Hydro-Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actual Operating Pressure: 950 p.s.i.g.</td>
<td></td>
</tr>
<tr>
<td>Method of Over Pressure Protection: <strong>Compressor Station</strong></td>
<td></td>
</tr>
<tr>
<td>Relief Valve Set Point: 1051 p.s.i.g</td>
<td>Capacity Adequate? Yes No</td>
</tr>
</tbody>
</table>

### Integrity Test After Failure

<table>
<thead>
<tr>
<th>Pressure Test Conducted in place? (Conducted on Failed Components or Associated Piping)</th>
<th>Yes No</th>
</tr>
</thead>
<tbody>
<tr>
<td>If NO, Tested after removal?</td>
<td></td>
</tr>
<tr>
<td>Method: <strong>Not Tested</strong></td>
<td></td>
</tr>
</tbody>
</table>

Describe any failures during the test.

**Testing had not been conducted at the time of this report.**

### Soil/water Conditions @ Failure Site

<table>
<thead>
<tr>
<th>Condition of and Type of Soil around Failure Site (Color, Wet, Dry, Frost Depth): Very dry and burned.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Backfill (Size and Description): <strong>Sandy Clay Silt.</strong></td>
</tr>
<tr>
<td>Type of Water (Salt, Brackish): N/A</td>
</tr>
<tr>
<td>Water Analysis (5) Yes No</td>
</tr>
</tbody>
</table>

### External Pipe or Component Examination

<table>
<thead>
<tr>
<th>External Corrosion</th>
<th>Coating Condition (Discontinued, Non-existent): Good</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes No</td>
<td></td>
</tr>
</tbody>
</table>

Description of Corrosion:

**N/A**

Description of Failure Surface (Gouges, Arc Burns, Wrinkle Bends, Cracks, Stress Cracks, Chevrons, Fracture Mode, Point of Origin):

**The 36-inch pipe failed, beginning at the point of impact of the Drill Auger and opened the pipeline in both directions at the 12 O'clock position for a total of approximately 100 feet.**

<table>
<thead>
<tr>
<th>Above Ground</th>
<th>Buried</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes No</td>
<td>Yes No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stress Inducing Factors: Pipe was punctured with Auger</th>
<th>Depth of Cover: <strong>48 inches</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

5 Attach copy of water analysis report
# Pipeline Failure Investigation Report

## Cathodic Protection

<table>
<thead>
<tr>
<th>P/S (Surface):</th>
<th>P/S (Interface):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Soil Resistivity:</th>
<th>pH:</th>
<th>Date of Installation:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Method of Protection:

Did the Operator have knowledge of Corrosion before the Incident? [ ] Yes [ ] No

How Discovered? (Close Interval Survey, Instrumented Pig, Annual Survey, Rectifier Readings, ECDA, etc):

## Internal Pipe or Component Examination

<table>
<thead>
<tr>
<th>Internal Corrosion:</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Injected Inhibitors:</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Testing:</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

Results (Coupon Test, Corrosion Resistance Probe):

Description of Failure Surface (MIC, Pitting, Wall Thinning, Chevrons, Fracture Mode, Point of Origin):

<table>
<thead>
<tr>
<th>Cleaning Pig Program:</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Gas and/or Liquid Analysis:

<table>
<thead>
<tr>
<th>Gas and/or Liquid Analysis:</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

Results of Gas and/or Liquid Analysis (6)

<table>
<thead>
<tr>
<th>Internal Inspection Survey:</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Results (1)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Did the Operator have knowledge of Corrosion before the Incident? [ ] Yes [ ] No

How Discovered? (Instrumented Pig, Coupon Testing, ICDA, etc):

## Outside Force Damage

<table>
<thead>
<tr>
<th>Responsible Party: C &amp; H Power Line Construction</th>
<th>Telephone No.: 918-534-9160</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address: 1847 E. Portland Ave., Dewey, Oklahoma 74029</td>
<td></td>
</tr>
</tbody>
</table>

Work Being Performed:

Auger drilling 48-inch diameter holes to install high wire electrical poles.

<table>
<thead>
<tr>
<th>Equipment Involved:</th>
<th>Called One Call System?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auger Drill Truck</td>
<td></td>
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</table>

One Call Name: DIG-TESS

<table>
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<tr>
<th>Called One Call System?</th>
<th>Yes</th>
<th>No</th>
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June 1, 2010

<table>
<thead>
<tr>
<th>One Call Report # (6) 101526391 &amp; # (6) 101525432</th>
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</thead>
</table>

---

6 Attach copy of gas and/or liquid analysis report
7 Attach copy of internal inspection survey report
Pipeline Failure Investigation Report

Outside Force Damage

<table>
<thead>
<tr>
<th>Notice Date: 6/1/10</th>
<th>Time: 3:29.07 p.m.</th>
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</thead>
<tbody>
<tr>
<td>Response Date: # 101525391 6/4/2010</td>
<td>Time: 101525391 @ 3:58:45 p.m.</td>
</tr>
<tr>
<td># 101525432 6/7/2010</td>
<td>101525432 @ 7:59:45 a.m.</td>
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</tbody>
</table>

Details of Response:

Enterprise received Locate Ticket Number # 101525391 on June 1, 2010 and the Enterprise Operating Specialist opened Ticket Number # 101525391 on June 2, 2010. The ticket was assigned a "Clear Code K" (means Knowledge and may close ticket) and Closed with No Conflict on June 4, 2010. Enterprise received Locate Ticket Number # 101525432 on June 1, 2010 and the Enterprise Operating Specialist opened Ticket Number # 101525432 on June 7, 2010. The ticket was assigned a "Clear Code C" ("Code C" based on a telephone conversation the morning of June 7, 2010 to C&H. From the telephone conversation, the Enterprise locator understood that the referenced work was complete) and Closed with No Conflict on June 7, 2010.

a.) In response to Locate Request Ticket Number #101525391, the Enterprise Operating Specialist showed up at the wrong location twice. He cleared the ticket based on the lack of activity found in the location in which he interpreted as the locate request. He made no effort to contact the contractor on this ticket.

b.) The Enterprise Operating Specialist opened the Locate Request Ticket Number #101525432 on June 7, 2010. At that time, the Enterprise Operating Specialist contacted C&H Power to obtain more information.

c.) Based on the conversation, the Enterprise Operating Specialist marked the ticket Clear and closed the ticket, 6 days after receiving the initial notification of work.

d.) Enterprise failed to respond to Locate Request Ticket Number # 101525432 and Locate Ticket Number # 101525391 to locate and mark their pipeline with temporary markers within the 48 Hours prescribed by Texas Damage Prevention rules.

e.) Neither the Enterprise Pipeline Operating Specialist nor C&H Power Line Construction had made an effort to request a face-to-face or tailgate meeting to discuss the project.

Enterprise' Fax response to One Call Ticket # 101525391:
Based upon the excavation activity and location information you provided in Dig Request 101525391, your activities should not impact the Pipeline Systems operated by EPOLP and EPOLP does not plan on marking the proximate location of the portion of the Pipeline Systems which may be in the vicinity of such activity.

If you believe that your activity might affect or impact the above-mentioned Pipeline Systems or if the information provided changes or was incorrect or incomplete, you cannot proceed with your activity and you must immediately contact EPOLP's E-Call Center at (1-877-243-2255).

Enterprise' Fax response to One Call Ticket # 101525432:
Based upon the excavation activity and location information you provided in Dig Request 101525432, your activities should not impact the Pipeline Systems operated by EPOLP and EPOLP does not plan on marking the proximate location of the portion of the Pipeline Systems which may be in the vicinity of such activity.

If you believe that your activity might affect or impact the above-mentioned Pipeline Systems or if the information provided changes or was incorrect or incomplete, you cannot proceed with your activity and you must immediately contact EPOLP's E-Call Center at (1-877-243-2255).

Other Events

From interview statements collected in conjunction with the NTSB investigation, the Enterprise employee appears to not have traveled to the correct location in response to the first ticket #101525391. He stated that he typically would not mark the pipeline facility unless he detected work being performed in the area of the right of way.
Pipeine Failure Investigation Report

<table>
<thead>
<tr>
<th>Outside Force Damage</th>
<th>N/A</th>
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</table>

There was no information given as to why the second ticket was not opened (#101525432) until June 7, 2010, six days after the original notice was provided by C&H Power Line.

Additionally, C&H Power Line did not make a subsequent call to the One-Call Center after not receiving a positive response from at least one operator, Enterprise Products.

| Was Location Marked According to Procedures? | Yes | No |

Pipeline Marking Type:

At the time of the incident there was only one permanent pipeline marker indicating there was an Enterprise Pipeline present. The sign was located approximately one-quarter mile from the incident on a barbed wire fence with high vegetation.

| Location: |

There were no markings made in response to the Locate Request Tickets by Enterprise.

Energy Transfer Pipeline Company’s pipeline *(In the Right-of-Way parallel to the Enterprise Pipeline Right-of-Way)* was well marked and was very visible. There were temporary markings onsite for the Energy Transfer line as marked in response to the Locate Request Tickets #101525391 and #101525432.

| Nearby the intersecting boundaries of Somerville, Johnson and Hood counties on County Road 1120 approximately 3 miles North of Highway 67 on the George’s Creek Ranch and along the Brazos Electric Cooperative right-of-way and intersecting Enterprises’ right-of-way at Latitude: 32.31475 and Longitude: -97.6145. |

The coordinates for the site were provided as part of the Locate requests. The Enterprise Operating Specialist did not utilize the coordinates.

| State Law Damage Prevention Program Followed? | Yes | No | No State Law |

Notice Required: Yes | No

Response Required: Yes | No

Was Operator Member of State One Call? Yes | No

Was Operator on Site? Yes | No

Did a deficiency in the Public Awareness Program contribute to the accident? Yes | No

| Is OSHA Notification Required? | Yes | No |

Natural Forces

Description (Earthquake, Tornado, Flooding, Erosion):

Form 11 Pipeline Failure Investigation Report (Revised 03/17/06)
# Pipeline Failure Investigation Report

## Failure Isolation

| Squeeze Off/Stopple Location and Method: | N/A |
| Block Valve 14 at Decordova Compressor Station and Block Valve 15 closed automatically and shut-in the system between the Block Valve 14 at Decordova Compressor Station and Block Valve 15. This isolated the point of pipeline failure between the two valves. |

| Valve Closed - Upstream: | Block Valve 14 |
| Time: | 2:55 p.m. |
| I.D.: | Block Valve 14 |
| M.P.: | 7.7 miles |

| Valve Closed - Downstream: | Block Valve 15 |
| Time: | 2:41 p.m. |
| I.D.: | Block Valve 15 |
| M.P.: | 12.3 miles |

| Pipeline Shutdown Method: | □ Manual □ Automatic □ SCADA □ Controller □ ESD |

| Failed Section Bypassed or Isolated: | Yes |

| Performed By: | Brigman, Bozarth and Decker |
| Valve Spacing: | 20 Miles |

## Odorization

| Gas OdORIZED: | □ Yes □ No |

| Method of Determination: | □ Yes □ No |

| Concentration of Odorant (Post Incident at Failure Site): | |
| % LEL: | □ Yes □ No |
| % Gas in Air: | □ Yes □ No |

| Time Taken: | □ Yes □ No |

| Was Oderizer Working Prior to the Incident? | □ Yes □ No |

| Type of Oderizer (Wick, By-Pass): |

| Oderant Manufacturer: |
| Model: |

| Type of Oderant: |

| Amount Injected: |

| Monitoring Interval (Weekly): |

| Oderization History (Leaks Complaints, Low Oderant Levels, Monitoring Locations, Distances from Failure Site): |

## Weather Conditions

| Temperature: 96.8 Degrees |

| Wind (Direction & Speed): 14 MPH and Winds SW |

| Climate (Snow, Rain): Sunny |

| Humidity: Unknown |

| Was Incident preceded by a rapid weather change? | □ Yes □ No |
Pipeline Failure Investigation Report

Weather Conditions

Weather Conditions Prior to Incident (Cloud Cover, Ceiling Heights, Snow, Rain, Fog):
Hot, Sunny and Clear.

Gas Migration Survey

Bar Hole Test of Area: ☐ Yes ☐ No
Equipment Used:
Method of Survey (Foundations, Curbs, Manholes, Driveways, Mains, Services) (6)

Environment Sensitivity Impact

Location (Nearest Rivers, Body of Water, Marshlands, Wildlife Refuge, City Water Supplies that could be or were affected by the medium loss):

OPA Contingency Plan Available? ☐ Yes ☐ No  Followed? ☐ Yes ☐ No

Class Location/High Consequence Area

Class Location: 1  X  2  3  4
Determination: Class Study
HCA Area? ☐ Yes  ☒ No  ☐ N/A
Determination:
Odorization Required?  ☐ Yes  ☐ No  ☒ N/A

Pressure Test History (Expand List as Necessary)

<table>
<thead>
<tr>
<th>Req'd (9) Assessment Deadline Date</th>
<th>Test Date</th>
<th>Test Medium</th>
<th>Pressure (psig)</th>
<th>Duration (hrs)</th>
<th>% SMYS</th>
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<tbody>
<tr>
<td>Installation</td>
<td>N/A</td>
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<tr>
<td>Next</td>
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<td>Most Recent</td>
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</tbody>
</table>

Describe any problems experienced during the pressure tests.

---

8 Plot on site description page
9 As required of Pipeline Integrity Management regulations in 49CFR Parts 192 and 195
### Pipeline Failure Investigation Report

#### Internal Line Inspection/Other Assessment History

<table>
<thead>
<tr>
<th></th>
<th>Req’d (10) Assessment Deadline Date</th>
<th>Assessment Date</th>
<th>Type of ILI Tool (10)</th>
<th>Other Assessment Method (11)</th>
<th>Indicated Anomaly If yes, describe below</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial</td>
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<td>□ Yes □ No</td>
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<td>Most Recent</td>
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<td>□ Yes □ No</td>
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</tbody>
</table>

Describe any previously indicated anomalies at the failed pipe, and any subsequent pipe inspections (anomaly digs) and remedial actions.

#### Pre-Failure Conditions and Actions

Was there a known pre-failure condition requiring (10) the operator to schedule evaluation and remediation? □ Yes (describe below or on attachment) □ No

If there was such a known pre-failure condition, had the operator established and adhered to a required (10) evaluation and remediation schedule? Describe below or on attachment. □ Yes □ No □ N/A

Prior to the failure, had the operator performed the required (10) actions to address the threats that are now known to be related to the cause of this failure? □ Yes □ No □ N/A

List below or on an attachment such operator-identified threats, and operator actions taken prior to the accident.

Describe any previously indicated anomalies at the failed pipe, and any subsequent pipe inspections (anomaly digs) and remedial actions.

#### Maps & Records

Are Maps and Records Current? (13) □ Yes □ No

Comments:

In reviewing the Map provided by Enterprise, there are some details pertaining to mapping standards that are lacking such details as; as built date, pipe depth, depth of cover, and pipe intersections present on the map that are not adequate. The location of the pipeline is documented as a part of the maps and records.

#### Leak Survey History

Leak Survey History (Trend Analysis, Leak Plots):

---

10 MFL, geometry, crack, etc.
11 ECDA, ICDA, SCCDA, "other technology," etc.
12 Obtain copies of maps and records
### Pipeline Failure Investigation Report

#### Leak Survey History

<table>
<thead>
<tr>
<th></th>
<th>N/A</th>
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</thead>
</table>

#### Pipeline Operation History

Description (Repair or Leak Reports, Exposed Pipe Reports):

Did a Safety Related Condition Exist Prior to Failure? [ ] Yes [ ] No

Reported? [ ] Yes [ ] No

Unaccounted For Gas:

Over & Short/Line Balance (24 hr., Weekly, Monthly/Trend):

<table>
<thead>
<tr>
<th></th>
<th>N/A</th>
</tr>
</thead>
</table>

#### Operator/Contractor Error

Name: Wayne Decker  
Job Function: Operations Specialist

Title: Operations Specialist

Years of Experience: 29 years in pipeline industry and 8 years working on the pipeline system.

Training (Type of Training, Background): Refer to Company Operator Qualification Program.

Was the person “Operator Qualified” as applicable to a precursor abnormal operating condition? [x] Yes [ ] No [ ] N/A

Was qualified individual suspended from performing covered task? [x] Yes [ ] No [ ] N/A

Type of Error (Inadvertent Operation of a Valve):

The Enterprise Operating Specialist failed to follow company procedures required for temporary line locating and marking. Additionally, the Operating Specialist was not familiar with the use of the GPS equipment to identify Longitude and Latitudes provided as part of the locate requests. As a result, the employee was removed from the task of line locating.

Procedures that are required:


Actions that were taken:

On Ticket #(7) 101525391 and Ticket #(8) 101525432 the Operating Specialist failed to locate and mark Enterprise Pipeline with temporary markers, flags or paint and failed to initiate one on one onsite meeting with excavator. Operating Specialist failed to “clear” the tickets or request further information within 48 hours of receiving the notifications.

Pre-Job Meeting (Construction, Maintenance, Blow Down, Purging, Isolation): The Enterprise Technician failed to conduct a Pre-Job Meeting with excavator.

Prevention of Accidental Ignition (Tag & Lock Out, Hot Weld Permit): N/A

Procedures conducted for Accidental Ignition:

N/A

Was a Company Inspector on the Job? [ ] Yes [x] No

There was no Enterprise Personnel On-Site prior to or while Pole Drilling by C&H Power Line Construction was in progress.

Was an Inspection conducted on this portion of the job? [ ] Yes [x] No

---

Form 11 Pipeline Failure Investigation Report (Revised 03/17/09)
Pipeline Failure Investigation Report

Additional Actions (Contributing factors may include number of hours at work prior to failure or time of day work being conducted):

a.) Survey And Mapping Inc. (SAM Inc.), the survey and mapping contractor for Brazos Electric, maps did not show that there were two pipelines crossing the Brazos Electric Right-of-Way, the only pipeline shown on the SAM Inc. map was the Energy Transfer 38-inch pipeline.

b.) In November 2009, SAM Inc., contacted DIGTESS for a locate request for this project as part of their design project. According to SAM Inc., they received only one locate ticket, from DIG TESS and not one from Lone Star One Call or Texas One Call for their request to locate.

c.) Positive responses were not received by all of the operators for the November 2009 request by SAM Inc.

d.) Enterprise Products was a member of Texas One Call during the November 2009 time frame.

e.) The Enterprise Operating Specialist did not follow Company procedure for locating and marking their pipeline, after each of the “One Call Tickets” had been established.

f.) C&H Power Line Construction marked the proposed location using metal and wooden stakes with red/orange flags attached to the stakes.

g.) C&H Power Line employees moved the original drill location 10 to 12 feet off the original mark as directed by the Brazos Electric cooperative inspector.

h.) Enterprise had no visible line of sight permanent pipeline markers installed for this pipeline.

i.) When Energy Transfer marked their pipeline, the proposed location stakes were visible.

j.) Energy Transfer did not have a company employee on site at the time of the installation as the project was within their right of way.

Training Procedures:
Enterprise uses On-Line Operator Qualification Tests and In-Field Qualification.

Operation Procedures:
Adequate, post incident operation procedures appear to have been followed according to company O&M.

Controller Activities:
Adequate, the Enterprise Gas Pipeline Controller activities appear to have followed the company O&M.

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Years Experience</th>
<th>Hours on Duty Prior to Failure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Garry Berry</td>
<td>Gas Pipeline Controller</td>
<td>18</td>
<td>8 Hours 45 Min.</td>
</tr>
<tr>
<td>Tommy Hayes</td>
<td>Supervisor of the Gas Control in Texas and Louisiana</td>
<td>20</td>
<td>8 Hours 45 Min.</td>
</tr>
</tbody>
</table>

Alarm Parameters: N/A

High/Low Pressure Shutdown: N/A

Flow Rate: N/A

Procedures for Clearing Alarms: N/A

Type of Alarm: N/A

Company Response Procedures for Abnormal Operations: N/A

Form 11 Pipeline Failure Investigation Report (Revised 03/17/06)
Pipeline Failure Investigation Report

Operator/Contractor Error

Over/Short Line Balance Procedures: N/A

Frequency of Over/Short Line Balance: N/A

Additional Actions: N/A

Additional Actions Taken by the Operator

Make notes regarding the emergency and Failure Investigation Procedures (Pressure reduction, Reinforced Squeeze Off, Clean Up, Use of Evacuators, Line Purging, closing Additional Valves, Double Block and Bleed, Continue Operating downstream Pumps):

5-7-10 – Date of Line Strike. After coordinating initial emergency response and communicating to all of the proper departments and employees, Price Chapman contacted B&H Construction to be on location of incident on Wednesday (6-9-10) morning to start making repairs. Price Chapman also contacted Don Brown and Waylan Dunn began locating 200’ of .428 WT, X85 or X70 pipe. Don Brown confirmed location of replacement pipe and that the pipe would be delivered to the incident site.

5-8-10 – Contractors for Enterprise arrive in Cleburne, TX.

5-9-10 – 7:00 a.m. Contractors and Enterprise personnel arrived on location of the incident; performed tailgate safety meeting; permits issued and location assessed.

5-9-10 – 12:00 p.m. Excavation Equipment arrived on location.

5-9-10 – 1:00 p.m. Initial shipment of pipe arrived on location; off loaded pipe and setup on skids; welders start and complete fabrication; welders cut out damaged pipe by 7:00 p.m.

5-9-10 – 3:00 p.m. Excavation is begun and damaged pipe removed from ditch.

5-9-10 – 9:15 p.m. Started filling pipe with water in preparation of hydro-testing.

5-9-10 – 10:45 p.m. Initiated hydro-testing (1256 psig).

5-10-10 – 3:00 a.m. Completed hydro-testing.

5-10-10 – 10:00 am: Started de-water process; once the pipe was de-watered, removed test heads, cut pipe in sections, set 70’ section of pipe on west end of ditch; welded section in and completed welding at 6:30 p.m.

5-11-10 – 8:00 a.m.: Set and welded east section of pipe, welded girth weld, completed by 11:00 am; set silencer at MLBV 15; performed NDT on all welds but 2, NDT was completed by 7:00 pm.

5-12-10 – 4:00 a.m: NDT was performed on last 2 welds.

5-12-10 – 9:05 am: Started purge from Decordova Compressor Station to MLBV 15; completed purge at 10:40 am; started packing line and the line was back in service at 2:32 pm; final meter station back in service at 4:23 pm.

RRC Inspectors witnessed purging of pipeline.
# Pipeline Failure Investigation Report

Overall Area from best possible view. Pictures from the four points of the compass. Failed Component, Operator Action, Damages in Area, Address Markings, etc.

<table>
<thead>
<tr>
<th>Photo No.</th>
<th>Description</th>
<th>Roll No.</th>
<th>Photo No.</th>
<th>Description</th>
<th>Roll No.</th>
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<tbody>
<tr>
<td>1</td>
<td>See Photo Pages.</td>
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<tr>
<td>2</td>
<td>See Site Description and Photos Below.</td>
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Type of Camera:

Film ASA:
### Additional Information Sources

<table>
<thead>
<tr>
<th>Agency</th>
<th>Name</th>
<th>Title</th>
<th>Phone Number</th>
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<tbody>
<tr>
<td>Police:</td>
<td>Johnson County Sheriff Dept.</td>
<td>Refer to Johnson County Sheriff Department Case Number S1013677</td>
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<tr>
<td>Fire Dept.:</td>
<td>Cleburne Fire Department</td>
<td>Refer to Fire Department Incident Number 10-0001709</td>
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<tr>
<td>State Fire Marshall:</td>
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<td>State Agency:</td>
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<tr>
<td>NTSB:</td>
<td>Karl M. Gunther</td>
<td>NTSB - Pipeline Accident Investigator</td>
<td>202-314-6478</td>
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<tr>
<td>OSHA:</td>
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<tr>
<td>Insurance Co.:</td>
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<td>FRA:</td>
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<td>MMS:</td>
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<tr>
<td>Television:</td>
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<tr>
<td>Newspaper:</td>
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</tr>
<tr>
<td>Other:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Title</td>
<td>Phone Number</td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>---------------------</td>
<td>--------------------</td>
<td></td>
</tr>
<tr>
<td>Refer to NTSB Report Number DCA-FB-004 for interview statements.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Refer to Johnson County Sheriff Department Case Number S1013877 for interview statements.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coleman Cunningham with SAM Inc., Refer to Appendix D for interview statement.</td>
<td>Project Engineer</td>
<td>(512) 477-0575</td>
<td></td>
</tr>
</tbody>
</table>
# Event Log

Sequence of events prior, during, and after the incident by time. (Consider the events of all parties involved in the incident, Fire Department and Police reports, Operator Logs and other government agencies.)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 2:41 p.m.  | **Monday, June 7, 2010**  
Enterprise Gas Control indicated Main Line Block Valve #15 closed automatically. |
| 2:49 p.m.  | Enterprise Field Technician received call from Gas Control reporting rapid pressure drop on the North Texas 36 inch Pipeline 225 (the "Pipeline"). |
| 2:52 p.m.  | Enterprise Technician confirmed a large fire that appeared to be in the Enterprise Right-of-Way. A Technician was dispatched to Main Line Block Valve #15 (downstream from fire) to ensure it closed automatically. Gas Control was notified of the fire and dispatched another technician to main line valve #14 (upstream of the fire at Decordova Compressor Station) to ensure it closed automatically. |
| 2:55 p.m.  | Gas Control indicated that Block Valve # 14 at Decordova Compressor Station closed automatically. |
| 3:15 p.m.  | Enterprise technician arrived at Block Valve #15 and confirmed the valve was closed and notified supervisor that the valve actuator was venting power gas. The technician shut off the power gas valve and blew down power gas system. Chesapeake technicians' onsite had two receipts meter runs at Rio Vista Station they shut and locked. |
| 3:35 p.m.  | Enterprise technician confirmed with Gas Control that the pipeline receipts with automatic valves had been shut in remotely by Gas Control. Gas Control directed technicians to manually shut in non-automatic receipts into the Pipeline. |
| 3:42 p.m. to 4:50 p.m. | Enterprise technicians manually shut in and Gas Control remotely shut in the remaining receipts. Field technicians notified Gas Control of the receipts that had been manually shut in. |
| 4:10 p.m.  | RRC Investigator T. Sullivan received notification and en-route to the incident. |
| 5:50 p.m.  | RRC Investigator T. Sullivan arrived at the Incident Command post and received update from command fire and rescue. RRC Headquarters in Austin was updated. |
| 6:50 p.m.  | Enterprise Representative accompanied Police to the scene. |
| 7:30 p.m.  | One fatality confirmed by Command. |
| 7:49 p.m.  | RRC inspectors enter the incident scene and began the investigation. |
| 10:45 p.m. | RRC inspectors departed the scene. |
| 7:50 a.m.  | **Tuesday, June 8, 2010**  
RRC Assistant Director and two additional inspectors from Houston arrived on-site to assist with the investigation. |
| 10:00 a.m. | RRC Commissioner Williams arrived and held Press Conference. |
| 11:00 a.m. | RRC Commissioner Williams arrived on-site to view the incident site. |
| 11:00 a.m. to 7:30 p.m. | RRC Investigators met with NTSB and continued on-site investigation. |
| **Wednesday, June 9, 2010 and Thursday June 10, 2010** | NTSB Investigator, RRC Investigators and PHMSA Investigator took witness statements from C&H Power Line Construction, Brazos Electric and Enterprise employees.  
RRC Investigators continued on-site investigation. |
| **Friday, June 11, 2010** | Summary meeting with NTSB and continued on-site investigation. |
| **Saturday, June 12, 2010** | Started purge from Decordova compressor station to MLBV 15; completed purge at 10:40 a.m.; started packing line and the line was back in service at 2:32 p.m.; final meter station back in service at 4:23 p.m. |
| **Thursday, June 24, 2010** | RRC Investigators took witness statement from SAM Inc. |
Pipeline Failure Investigation Report

**Event Log**

Sequence of events prior, during, and after the incident by time. (Consider the events of all parties involved in the incident, Fire Department and Police reports, Operator Logs and other government agencies.)

<table>
<thead>
<tr>
<th><strong>Friday, June 25, 2010 through Time of this Report</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Continue investigation and completion of report.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

Form 11 Pipeline Failure Investigation Report (Revised 03/17/06)
### Investigation Contact Log

<table>
<thead>
<tr>
<th>Time</th>
<th>Date</th>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/8/10</td>
<td></td>
<td>Karl Gunther</td>
<td>National Transportation Safety Board (NTSB) Pipeline Accident Investigator</td>
</tr>
<tr>
<td>6/8/10</td>
<td></td>
<td>Fred Haag</td>
<td>Chief Operations Manager</td>
</tr>
<tr>
<td>6/8/10</td>
<td></td>
<td>Joel Kohler</td>
<td>Manager Pipeline Compliance</td>
</tr>
<tr>
<td>6/8/10</td>
<td></td>
<td>Richard Lopez</td>
<td>Pipeline and Hazardous Materials Safety Administration (PHMSA). Project Manager</td>
</tr>
<tr>
<td>6/8/10</td>
<td></td>
<td>Terry Sullivan</td>
<td>Railroad Commission of Texas - Pipeline Inspector</td>
</tr>
</tbody>
</table>
### Pipeline Failure Investigation Report

**Failure Investigation Documentation Log**

<table>
<thead>
<tr>
<th>Appendix Number</th>
<th>Documentation Description</th>
<th>Date Received</th>
<th>FOIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Photo Pages</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Enterprise 30 Day Report</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>NRC Report</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Survey And Mapping Inc. - Map</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Survey And Mapping Inc. - Statement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Survey and Mapping Inc. – November 2009 ticket 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Survey and Mapping Inc. – November 2009 ticket 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Enterprise Positive Response Ticket # 101525391</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Enterprise Positive Response Ticket # 101525432</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: FOIA only applies to federal agencies.
Site Description

Provide a sketch of the area including distances from roads, houses, stress inducing factors, pipe configurations, etc. Bar Hole Test Survey Plot should be outlined with concentrations at test points. Photos should be taken from all angles with each photo documented. Additional areas may be needed in any area of this guideline.
Pipeline Failure Investigation Report

Photo 1 - Pipe Failure

Photo 2 - Looking back to Sub Station from incident
Pipeline Failure Investigation Report

Photo 3 - Drilling Auger

Photo 4 - Auger Rig
Photo 5 - Existing Power Pole and Original Location (Flagged) of the New Power Pole

Photo 6 - ETC Pipeline Markers looking southwest
Photo 7  ETC Pipeline Markers looking northeast

Monday June 7, 2010
DATE: 6/7/10
PHOTOGRAPHER: RRC Inspector
LOCATION: George's Creek Ranch
DESCRIPTION: View from CR 1120 at the Command Center looking down toward the incident site.

DATE: 6/7/10
PHOTOGRAPHER: Terry Sullivan
LOCATION: George's Creek Ranch
DESCRIPTION: View from CR 1120 at the Command Center looking down toward the Electric Sub Station, Pan to the left is the incident site.

DATE: 6/7/10
PHOTOGRAPHER: Terry Sullivan
LOCATION: George's Creek Ranch
DESCRIPTION: View from the incident looking toward the Electric Sub Station from incident site.
DATE: 6/7/10
PHOTOGRAPHER: Terry Sullivan
LOCATION: George's Creek Ranch
DESCRIPTION:
View looking in an easterly direction toward CR 1120

DATE: 6/7/10
PHOTOGRAPHER: Terry Sullivan
LOCATION: George's Creek Ranch
DESCRIPTION:
Enterprise Line Marker Viewing toward the Hot Zone.

DATE: 6/7/10
PHOTOGRAPHER: Terry Sullivan
LOCATION: George's Creek Ranch
DESCRIPTION:
Enterprise Line Marker Sign Viewing away from the Hot Zone.
DATE: 6/7/10
PHOTOGRAPHER: Terry Sullivan
LOCATION: George's Creek Ranch
DESCRIPTION: Remains of the C&H Auger Drill Truck.

DATE: 6/7/10
PHOTOGRAPHER: Terry Sullivan
LOCATION: George's Creek Ranch
DESCRIPTION: Other Damaged Equipment at the Electric Sub Station.

DATE: 6/7/10
PHOTOGRAPHER: RRC Inspector
LOCATION: George's Creek Ranch
DESCRIPTION: Damaged Section of Pipe being removed.
DATE: 7/7/10
PHOTOGRAPHER: Terry Sullivan
LOCATION: George's Creek Ranch
DESCRIPTION:
Post-Incident View from Incident Site Looking East Towards CR 1120 at the Top of the Hill. View shows New Permanent Enterprise Pipeline Markers.

DATE: 7/7/10
PHOTOGRAPHER: Terry Sullivan
LOCATION: George's Creek Ranch
DESCRIPTION:
Post-Incident View from Incident Site Looking West. View shows New Enterprise Pipeline Markers.
DATE: 6/7/10

PHOTOGRAPHER: RRC Inspector

LOCATION: George's Creek Ranch

DESCRIPTION:
Replacement 36-inch Pipe Being Installed.

DATE: 6/7/10

PHOTOGRAPHER: RRC Inspector

LOCATION: George's Creek Ranch

DESCRIPTION:
Another View of the 36-inch Replacement pipe being installed.

DATE: 6/7/10

PHOTOGRAPHER: Terry Sullivan

LOCATION: George's Creek Ranch

DESCRIPTION:
Newly installed 36-inch Pipe with Epoxy Coating Installed.
DATE: 6/7/10
PHOTOGRAPHER: Terry Sullivan
LOCATION: George's Creek Ranch
DESCRIPTION: View shows Power Poles that will be replaced in the Brazos Electric Right-of-Way.

DATE: 6/7/10
PHOTOGRAPHER: Terry Sullivan
LOCATION: George's Creek Ranch
DESCRIPTION: View of the Right-of-Way Eastward toward CR 1120 away from incident site.

DATE: 6/7/10
PHOTOGRAPHER: Terry Sullivan
LOCATION: George's Creek Ranch
DESCRIPTION: View of the Right-of-Way Westward away from incident site.
DATE: 6/7/10
PHOTOGRAPHER: Terry Sullivan
LOCATION: George's Creek Ranch
DESCRIPTION:

DATE: 6/7/10
PHOTOGRAPHER: Terry Sullivan
LOCATION: George's Creek Ranch
DESCRIPTION:
This is a view of Electric Sub Station standing at incident site.

DATE: 6/7/10
PHOTOGRAPHER: Terry Sullivan
LOCATION: George's Creek Ranch
DESCRIPTION:
View from Electric Sub Station looking up toward CR 1120, Command Center June 7, 2010.
DATE: 6/7/10

PHOTOGRAPHER: RRC Investigator

LOCATION: George's Creek Ranch

DESCRIPTION:
Site at which the Auger Drill punctured the 36-Inch Pipeline. Approximately 100 feet of pipe ruptured.

DATE: 6/7/10

PHOTOGRAPHER: RRC Investigator

LOCATION: George's Creek Ranch

DESCRIPTION:
Red Arrows depicts the point where the Auger punctured the pipeline.

DATE: 6/7/10

PHOTOGRAPHER: RRC Investigator

LOCATION: George's Creek Ranch

DESCRIPTION:
This is a photo of the Auger that punctured the pipeline and was thrown 250 Feet from the incident site.
PART A - KEY REPORT INFORMATION

<table>
<thead>
<tr>
<th>Report Type: (select all that apply)</th>
<th>Original</th>
<th>Supplemental</th>
<th>Final</th>
</tr>
</thead>
<tbody>
<tr>
<td>Report Status: Draft</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Create Date: 07/06/2010</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>2. Name of Operator: ENTERPRISE PRODUCTS OPERATING LLC</td>
<td></td>
<td></td>
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<tr>
<td>3. Address of Operator: 1105 Louisiana Street</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>3b. City: HOUSTON</td>
<td></td>
<td></td>
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<tr>
<td>3c. State: Texas</td>
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<td></td>
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<tr>
<td>3d. Zip Code: 77002</td>
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<td></td>
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<tr>
<td>4. Local time (24hr clock) and date of the incident: 05/10/2010 14:39</td>
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<tr>
<td>5. Location of Incident:</td>
<td>32.31475</td>
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<tr>
<td>6. National Response Center Report Number (if applicable): 843140</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>7. Local time (24hr clock) and date of initial telephonic report to the National Response Center (if applicable): 05/07/2010 16:45</td>
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</tr>
<tr>
<td>8. Incident/Resulted from: Unintentional release of gas</td>
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<tr>
<td>9. Gas released (select only one, based on predominant volume released): Natural Gas</td>
<td></td>
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</tr>
<tr>
<td>10. Estimated volume of commodity released unintentionally - Thousand Cubic Feet (MCF):</td>
<td></td>
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<tr>
<td>11. Estimated volume of intentional and controlled release/blowdown - Thousand Cubic Feet (MCF):</td>
<td></td>
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<tr>
<td>12. Estimated volume of accompanying liquid release (Barrels):</td>
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<tr>
<td>13. Were there fatalities? Yes</td>
<td></td>
<td></td>
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<tr>
<td>- If Yes, specify the number in each category:</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13a. Operator employees</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13b. Contractor employees working for the Operator</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>13c. Non-Operator emergency responders</td>
<td></td>
<td></td>
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<tr>
<td>13d. Workers working on the right-of-way, but NOT associated with this Operator</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13e. General public</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13f. Total fatalities (sum of above)</td>
<td>1</td>
<td></td>
<td></td>
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<tr>
<td>14. Were there injuries requiring inpatient hospitalization? Yes</td>
<td></td>
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<tr>
<td>- If Yes, specify the number in each category:</td>
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<tr>
<td>14a. Operator employees</td>
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<td></td>
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<tr>
<td>14b. Contractor employees working for the Operator</td>
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<td></td>
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<tr>
<td>14c. Non-Operator emergency responders</td>
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<tr>
<td>14d. Workers working on the right-of-way, but NOT associated with this Operator</td>
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<td></td>
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</tr>
<tr>
<td>14e. General public</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14f. Total injuries (sum of above)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
16. Was the pipeline/facility shut down due to the incident? Yes
   - If No, Explain:
   - If Yes, complete Questions 16a and 16b: (use local time, 24-hr clock)
     16a. Local time and date of shut down: 08/07/2010 14:40
     16b. Local time pipeline/facility restarted: 08/12/2010 17:45
     - Still shut down? (Supplemental Report Required)
16. Did the gas ignite? Yes
17. Did the gas explode? Yes
18. Number of general public evacuated: 0
19. Time sequence (use local time, 24-hour clock):
   19a. Local time operator identified incident: 08/07/2010 14:45
   19b. Local time operator resources arrived on site: 08/07/2010 15:15

PART B - ADDITIONAL LOCATION/INFORMATION

1. Was the origin of the incident onshore? Yes
   - Yes (Complete Questions 2-12)
   - No (Complete Questions 13-18)

If Onshore:

2. State: Texas
3. Zip Code: 76003
4. City: College Station
5. County or Parish: Johnson
6. Operator designated location: Milepost/Valve Station
    Specify: 350+06-370+00
7. Pipeline/Facility name: North Texas 36
8. Segment name ID: 225-C
9. Was incident on Federal land, other than the Outer Continental Shelf (OCS)? No
10. Location of incident: Pipeline Right-of-way
11. Area of incident (as found): Underground
    - Specify: Undetermined
    Other Describe:
    Depth of Cover (in):
12. Did incident occur in a crossing? No
    If Yes, specify type below:
    - If Bridge crossing:
      - Cased/Uncased:
      - Name of body of water (if commonly known):
      - Approx. water depth (ft) at the point of the incident:
        Select:
    - If Railroad crossing:
      - Cased/ Uncased/ Bored/Drilled:
    - If Road crossing:
      - Cased/ Uncased/ Bored/Drilled:
      - Name of body of water (if commonly known):
      - Approx. water depth (ft) at the point of the incident:
        Select:
    - If Water crossing:
      - Cased/ Uncased:
13. Approx. water depth (ft) at the point of the incident:
14. Origin of incident:
    - If "In State waters":
      - State:
      - Area:
      - Block/Tract #: Nearest County/Parish:
    - If "On the Outer Continental Shelf (OCS)":
      - Area:
      - Block #: Nearest City:
15. Area of Incident:

PART C - ADDITIONAL FACILITY INFORMATION

1. Is the pipeline or facility: Interstate
   - Interstate: Interstate
   - Intrastate: Intrastate
2. Part of system involved in incident: Onshore Pipeline, including Valve Sites
3. Item involved in incident: Pipe
   - If Pipe - Specify: Pipe Body
3a. Nominal diameter of pipe (in): 36
3b. Wall thickness (in): .406
<table>
<thead>
<tr>
<th>Part D - Additional Consequence Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Class Location of Incident: Class 1 Location</td>
</tr>
<tr>
<td>2. Did this incident occur in a High Consequence Area (HCA)? No</td>
</tr>
<tr>
<td>3a. Specify the Method used to identify the HCA:</td>
</tr>
<tr>
<td>3b. What is the PIR (Potential Impact Radius) for the location of this incident? Foot:</td>
</tr>
<tr>
<td>4. Were any structures outside the PIR impacted or otherwise damaged due to loss or release resulting from the incident? No</td>
</tr>
<tr>
<td>5. Were any structures outside the PIR impacted or otherwise damaged NOT by loss or release resulting from the incident? No</td>
</tr>
<tr>
<td>6. Were any of the fatalities or injuries reported for persons located outside the PIR? No</td>
</tr>
<tr>
<td>7a. Estimated cost to Operator: $</td>
</tr>
<tr>
<td>7b. Estimated cost of property damage paid/reimbursed by the Operator: $688,000</td>
</tr>
<tr>
<td>7c. Estimated cost of gas released during intentional and controlled blowdown: $</td>
</tr>
<tr>
<td>7d. Estimated cost of Operator's property damage &amp; repairs: $</td>
</tr>
<tr>
<td>7e. Estimated cost of Operator's emergency response: $</td>
</tr>
<tr>
<td>7f. Estimated other costs: $</td>
</tr>
<tr>
<td>7g. Estimated total costs (sum of above): $688,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part E - Additional Operating Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Estimated pressure at the point and time of the incident (psig): 980.00</td>
</tr>
<tr>
<td>2. Maximum Allowable Operating Pressure (MAOP) at the point and time of the incident (psig): 1,051.00</td>
</tr>
<tr>
<td>3. Describe the pressure on the system or facility relating to the incident: Pressure did not exceed MAOP</td>
</tr>
<tr>
<td>4. Not including pressure reductions required by PHMSA regulations (such as for repairs and pipe movement), was the system or facility relating to the incident operating under an established pressure restriction with pressure limits below those normally allowed by the: No</td>
</tr>
<tr>
<td>Question</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>5a. Type of upstream valve used to initially isolate release source</td>
</tr>
<tr>
<td>5b. Type of downstream valve used to initially isolate release source</td>
</tr>
<tr>
<td>5c. Length of segment isolated between valves (ft)</td>
</tr>
<tr>
<td>5d. Is the pipeline configured to accommodate internal inspection tools?</td>
</tr>
<tr>
<td>5e. For this pipeline, are there operational factors which significantly complicate the execution of an internal inspection too run?</td>
</tr>
<tr>
<td>6. Was a Supervisory Control and Data Acquisition (SCADA)-based system in place on the pipeline or facility involved in the incident?</td>
</tr>
<tr>
<td>6a. Was it operating at the time of the incident?</td>
</tr>
<tr>
<td>6b. Was it fully functional at the time of the incident?</td>
</tr>
<tr>
<td>6c. Did SCADA-based information (such as alarm(s), event(s), or event(s) and/or volume or percent) assist with the detection of the incident?</td>
</tr>
<tr>
<td>6d. Did SCADA-based information (such as alarm(s), event(s), or event(s) and/or volume or percent) assist with the confirmation of the incident?</td>
</tr>
<tr>
<td>7. How was the incident initially identified for the operator?</td>
</tr>
<tr>
<td>7a. If &quot;Controller&quot;, &quot;Local Operating Personnel, including contractor&quot;, &quot;Air Patrol&quot;, or &quot;Ground Patrol by Operator or its contractor&quot; is selected in Question 7, specify the following:</td>
</tr>
<tr>
<td>8. Was an investigation initiated into whether or not the controller(s) or control room issues were the cause of or a contributing factor to the incident?</td>
</tr>
<tr>
<td>8a. If No, the operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to: (provide an explanation for why the operator did not investigate)</td>
</tr>
<tr>
<td>Investigation Identified that fatigue may have affected the controller(s) involved or impacted the involved controller(s) response</td>
</tr>
<tr>
<td>Investigation Identified incorrect procedures</td>
</tr>
<tr>
<td>Investigation Identified incorrect control room equipment operation</td>
</tr>
<tr>
<td>Investigation Identified maintenance activities that affected control room operations, procedures, and/or controller response</td>
</tr>
<tr>
<td>Investigation Identified areas other than those above — Describe:</td>
</tr>
</tbody>
</table>

**PART F: DRUG & ALCOHOL TESTING INFORMATION**

1. As a result of this incident, were any Operator employees tested under the post-accident drug and alcohol testing requirements of DOT's Drug & Alcohol Testing regulations? (Yes/No)
   - If Yes:
     1a. Describe how many were tested: 2
     1b. Describe how many failed: 0

2. As a result of this incident, were any Operator contractor employees tested under the post-accident drug and alcohol testing requirements of DOT's Drug & Alcohol Testing regulations? (Yes/No)
   - If Yes:
     2a. Describe how many were tested: 2
     2b. Describe how many failed: 0

**PART G: APPARENT CAUSE**

Select only one box from PART G in the shaded column on the left representing the APPARENT Cause of the incident and answer the question on the right. Describe secondary, contributing, or root causes of the incident in the narrative (PART H).

- G1 Corrosion Failure — only one sub-cause can be picked from shaded left hand column

**Corrosion Failure — Sub-cause:**

1. Results of visual examination: (If Other, Describe:)
   - If Other — Describe:

2. Type of corrosion: (select all that apply)
   - Galvanic
   - Atmospheric
   - Stress Corrosion
   - Microbiological
   - Selective Seam
   - Other

3. The type(s) of corrosion selected in Question 2 is based on the following: (select all that apply)
   - Field examination
   - Determined by metallurgical analysis
   - Other

4. Was the failed item buried under the ground? (Yes/No)
   - If Yes:
     4a. Was failed item considered to be under cathodic protection at the time of the incident? (Yes/No)
       - If Yes, Year protection started:
     4b. Was shielding, tenting, or disbanding of coating evident at the point of the incident? (Yes/No)
     4c. Has one or more Cathodic Protection Survey been conducted at the point of the incident? (Yes, CP Annual Survey)
       - Most recent year conducted:
       - If Yes, Close Interval Survey:
         Most recent year conducted:
       - If Yes, Other CP Survey:
         Most recent year conducted:
   - If No:
<table>
<thead>
<tr>
<th>Question</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4d.</td>
<td>Was the failed item externally coated or painted?</td>
</tr>
<tr>
<td>5.</td>
<td>Was there observable damage to the coating or paint in the vicinity of the corrosion?</td>
</tr>
<tr>
<td>6.</td>
<td>Results of visual examination: - if Internal Corrosion: - if Other, Describe:</td>
</tr>
<tr>
<td>7.</td>
<td>Cause of corrosion (select all that apply): - Corrosive Commodity - Water drop-out/Acid - Microbiological - Erosion - Other - If Other, Describe:</td>
</tr>
<tr>
<td>8.</td>
<td>The cause(s) of corrosion selected in Question 7 is based on the following (select all that apply): - Field examination - Determined by metallurgical analysis - Other - If Other, Describe:</td>
</tr>
<tr>
<td>9.</td>
<td>Location of corrosion (select all that apply): - Low point in pipe - Elbow - Drop-out - Other - If Other, Describe:</td>
</tr>
<tr>
<td>10.</td>
<td>Was the gas/fluid treated with corrosion inhibitors or biocides?</td>
</tr>
<tr>
<td>11.</td>
<td>Was the interior coated or lined with protective coating?</td>
</tr>
<tr>
<td>12.</td>
<td>Were cleaning/dewatering pigs (or other operations) routinely utilized?</td>
</tr>
<tr>
<td>13.</td>
<td>Were corrosion coupons routinely utilized?</td>
</tr>
<tr>
<td>14.</td>
<td>Complete the following if any Corrosion Failure sub-cause is selected AND the &quot;Item involved in incident&quot; (from PART C, Question 3) is Pipe or Weld.</td>
</tr>
<tr>
<td>14a.</td>
<td>Has one or more internal inspection tool selected data at the point of the incident? - If Yes, for each tool selected, indicate most recent year run:</td>
</tr>
<tr>
<td>15.</td>
<td>Has one or more hydrotests or other pressure tests been conducted since original construction at the point of the incident? - If Yes, most recent year tested: Test pressure (psig):</td>
</tr>
<tr>
<td>16.</td>
<td>Has one or more Direct Assessment been conducted on this segment? - If Yes, and an investigative dig was conducted at the point of the incident: Most recent year conducted:</td>
</tr>
</tbody>
</table>
| 17. | Has one or more non-destructive examination been conducted at the point of the incident since January 1, 2002? - If Yes, for each examination conducted since January 1, 2002, select type of non-destructive examination and indicate most recent year the examination was conducted:
### Radiography

- Most recent year examined:

### Guided Wave Ultrasonic

- Most recent year examined:

### Handheld Ultrasonic Tool

- Most recent year examined:

### Wet Magnetic Particle Test

- Most recent year examined:

### Dry Magnetic Particle Test

- Most recent year examined:

### Other

- Most recent year examined:

#### If Other, Describe:

### Natural Force Damage - Sub-Cause:

1. Specify:

#### If Heavy Rain/Floods:

### If Other, Describe:

2. Specify:

#### If Lightning:

### If Temperature:

3. Specify:

#### If Other: Natural Force Damage:

5. Specify:

#### Complete the following if any Natural Force Damage subcause is selected:

6. Were the natural forces causing the incident generated in conjunction with an extreme weather event?

6a. If yes, specify (select all that apply):

- Hurricane
- Tropical Storm
- Tornado
- Other

#### If Other, Describe:

### Excavation Damage - Sub-Cause:

- If Previous Damage Due to Excavation Activity:

### Excavation Damage by Third Party

#### Complete Questions 1 & ONLY IF the "Item Involved in Incident" (From Part C, Question 3) is Pipe or Weld.

1. Has one or more internal inspection tool collected data at the point of the incident?

1a. If Yes, for each tool used, select type of internal inspection tool and indicate most recent year run:

- **Magnetic Flux Leak**
  - Year:

- **Ultrasonic**
  - Year:

- **Geometry**
  - Year:

- **Caliper**
  - Year:

- **Crack**
  - Year:

- **Hard Spot**
  - Year:

- **Combination Tool**
  - Year:

- **Transverse Field Test**
  - Year:

- **Other:**
  - Year:
  - Describe:
2. Do you have reason to believe that the internal inspection was completed BEFORE the damage was sustained?

3. Has one or more hydrostatic or other pressure test been conducted since original construction at the point of the incident?
   - If Yes:
     - Most recent year tested:
     - Test pressure (psig):

4. Has one or more Direct Assessment been conducted on the pipeline segment?
   - If Yes, and an investigative dig was conducted at the point of the incident:
     - Most recent year conducted:
   - If Yes, but the point of the incident was not identified as a dig site:
     - Most recent year conducted:

5. Has one or more non-destructive examination been conducted at the point of the incident since January 1, 2002?
   - If Yes, for each examination conducted since January 1, 2002, select type of non-destructive examination and indicate most recent year the examination was conducted:
     - Radiography
       - Year:
     - Guided Wave Ultrasound
       - Year:
     - Handheld Ultrasound Tool
       - Year:
     - Wet Magnetic Particle Test
       - Year:
     - Dry Magnetic Particle Test
       - Year:
     - Other
       - Year:
     - Description:

*Complete the following if Excavation Damage by Third Party is selected as the sub-cause.*

6. Did the operator get prior notification of the excavation activity? Yes
   - If Yes, Notification received from (select all that apply):
     - One-Call System
     - Contractor
     - Landowner

*Complete the following mandatory CGA-DIRT Program questions if any Excavation Damage sub-cause is selected.*

7. Do you want PHMSA to upload the following information to CGA-DIRT (www.cga-dirt.com)? No
   - Right-Of-Way where event occurred (select all that apply):
     - Public
     - Private
     - Pipeline Property/Easement
     - Power/Transmission Line
     - Railroad
     - Dedicated Public Utility Easement
     - Federal Land
     - Data not collected
     - Unknown/Other

8. Type of excavator:
   - Utility
   - Auger

9. Type of excavation equipment:
   - Pole

10. Was the One-Call Center notified? - Yes - No
    - If Yes, specify ticket number:
      - Texas Excavation Safety Systems, Inc.

11. Type of work performed:
    - Pole

12. Was the One-Call Center notified? - Yes - No
    - If Yes, specify ticket number:
      - 101525381

13. Type of Locator:
    - Utility Owner

14. Were facility locate marks visible in the area of excavation? No

15. Were facilities marked correctly? No

16. Did the damage cause an interruption in service? Yes

17. Description of the CGA-DIRT Root Cause (select only the one predominant first level CGA-DIRT Root Cause and then, where available as a choice, then one predominant second level CGA-DIRT Root Cause as well):
   - Predominant first level CGA-DIRT Root Cause: Other
   - If One-Call Notification Practice Not Sufficient, Specify:
- If Locating Practices Not Sufficient, Specify:
- If Excavation Practices Not Sufficient, Specify:
If Other/None of the Above, Explain: See narrative in Part H

G4. Other Outside Force Damage - Sub-Cause:

<table>
<thead>
<tr>
<th>Sub-Cause</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>If Damage by Car, Truck, or Other Motorized Vehicle/Equipment NOT Engaged in Excavation:</td>
<td></td>
</tr>
<tr>
<td>1. Vehicle/Equipment operated by:</td>
<td></td>
</tr>
<tr>
<td>- If Damage by Boats, Barges, Drilling Rigs, or Other Maritime Equipment or Vessels Set Adrift or Which Have Otherwise Lost Their Mooring:</td>
<td></td>
</tr>
<tr>
<td>2. Select one or more of the following if an extreme weather event was a factor:</td>
<td></td>
</tr>
<tr>
<td>- Hurricane</td>
<td></td>
</tr>
<tr>
<td>- Tropical Storm</td>
<td></td>
</tr>
<tr>
<td>- Tornado</td>
<td></td>
</tr>
<tr>
<td>- Heavy Rains/Flood</td>
<td></td>
</tr>
<tr>
<td>- Other</td>
<td></td>
</tr>
</tbody>
</table>
- If Other, Describe:                                                       |

- If Previous Mechanical Damage NOT Related to Excavation:

Complete Questions 3-7 ONLY if the "Item involved in Incident" (from PART C, Question 3) is Pipe or Weld.

3. Has one or more internal inspection tool collected data at the point of the incident?
   3a. If Yes, for each tool used, select type of internal inspection tool and indicate most recent year run:
      - Magnetic Flux Leakage
      - Ultrasonic
      - Geometry
      - Caliper
      - Crack
      - Hard Spot
      - Combination Tool
      - Transverse Field/Triaxial
      - Other
      Most recent year run:

4. Do you have reason to believe that the internal inspection was completed BEFORE the damage was sustained?

5. Has one or more hydrotest or other pressure test been conducted since original construction at the point of the incident?
   - If Yes:
   Most recent year tested:
   Test pressure (psig):

6. Has one or more direct assessment been conducted on the pipeline segment?
   - If Yes, and an investigative dig was conducted at the point of the incident:
   Most recent year conducted:
   - If Yes, but the point of the Incident was not identified as a dig site:
   Most recent year conducted:

7. Has one or more non-destructive examination been conducted at the point of the Incident since January 1, 2002?

7a. If Yes, for each examination conducted since January 1, 2002, select type of non-destructive examination and indicate most recent year the examination was conducted:
   - Radiography
   Most recent year conducted:
   - Guided Wave Ultrasonic
   Most recent year conducted:
- Handheld Ultrasonic Tool
- Wet Magnetic Particle Test
- Dry Magnetic Particle Test
- Other

**Most recent year conducted:**

8. **Describe:**

   - If Intentional Damage:
     - Specify:
     - If Other, Describe:

   - If Other/Outside Force Damage:
     - Specify:
     - If Other, Describe:

**Pipe, Weld, or Joint Failure - Sub-Causes:**

1. The sub-case selected below is based on the following (select all that apply):
   - Field Test
   - Determined by Metallurgical Analysis
   - Other Analysis

   - If Other Analysis, Describe:

   - Sub-case is Tentative or Suspected; Still Under Investigation

   (Supplemental Report required)

2. List contributing factors: (select all that apply)
   - If Fatigue or Vibration related:
     - Specify:
     - If Other, Describe:

   - Mechanical Stress

   - Other

   - If Other, Describe:

   - If Original Manufacturing related (NOT girth weld or other welds formed in the field):

2. List contributing factors: (select all that apply)
   - If Fatigue or Vibration related:
     - Specify:
     - If Other, Describe:

   - Mechanical Stress

   - Other

   - If Other, Describe:

   - If Environmental Cracking related:

3. Specify:

   - If Other, Describe:

   Complete the following if any Material Failure of Pipe or Weld sub-case is selected:

4. Additional Factors (select all that apply):
   - Dent
   - Gouge
   - Pipe Bend
   - Arc Burn
   - Crack
   - Lack of Fusion
   - Lamination
   - Buckle
   - Wrinkle
   - Misalignment
   - Burnt Steel
   - Other

   - If Other, Describe:

5. Has one or more Internal Inspection tool collected data at the point of the incident?

   6a. If Yes, for each tool used, select type of internal inspection tool and indicate most recent year run:
   - Magnetic Flux Leakage
<table>
<thead>
<tr>
<th>Equipment Failure - Sub-Cause:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Specify:</td>
<td></td>
</tr>
<tr>
<td>- Control Valve</td>
<td></td>
</tr>
<tr>
<td>- Instrumentation</td>
<td></td>
</tr>
<tr>
<td>- SCADA</td>
<td></td>
</tr>
<tr>
<td>- Communications</td>
<td></td>
</tr>
<tr>
<td>- Block Valve</td>
<td></td>
</tr>
<tr>
<td>- Check Valve</td>
<td></td>
</tr>
<tr>
<td>- Relief Valve</td>
<td></td>
</tr>
<tr>
<td>- Power Failure</td>
<td></td>
</tr>
<tr>
<td>- Stopple/Control Fitting</td>
<td></td>
</tr>
<tr>
<td>- Pressure Regulator</td>
<td></td>
</tr>
<tr>
<td>- ESD System Failure</td>
<td></td>
</tr>
<tr>
<td>- Other</td>
<td></td>
</tr>
<tr>
<td>Part 2: Equipment Failure Cause</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>1. - If Compressor or Compressor-related Equipment:</td>
<td>Specify:</td>
</tr>
<tr>
<td>2. Specify:</td>
<td>- If Other, Describe:</td>
</tr>
<tr>
<td>3. Specify:</td>
<td>- If Other, Describe:</td>
</tr>
<tr>
<td>4. Specify:</td>
<td>- If Other, Describe:</td>
</tr>
<tr>
<td>5. Describe:</td>
<td>- If Other, Describe:</td>
</tr>
</tbody>
</table>

Complete the following if any Equipment Failure sub-cause is selected.

6. Additional factors that contributed to the equipment failure (select all that apply):
   - Excessive vibration
   - Overpressurization
   - No support or loss of support
   - Manufacturing defect
   - Loss of electricity
   - Improper installation
   - Mismatched items (different manufacturer for tubing and tubing fillings)
   - Dissimilar metals
   - Breakdown of soft goods due to compatibility issues with transported gas/fluid
   - Valve vault or valve can contributed to the release
   - Alarm/status failure
   - Misalignment
   - Thermal stress
   - Other
   - If Other, Describe: |

7. Incorrect Operation - Sub-Cause:
   - If Underground Gas Storage, Pressure Vessel, or Cavern Allow or Caused to Overpressure:
   1. Specify: |
   2. Describe: |

Complete the following if any Incorrect Operation sub-cause is selected.

3. Was this Incident related to: (select all that apply)
   - Inadequate procedure
   - No procedure established
   - Failure to follow procedure
   - Other
   - If Other, Describe: |

4. What category type was the activity that caused the incident?

5. Was the task(s) that led to the incident identified as a covered task in your Operator Qualification Program?
   a. If Yes, were the individual(s) performing the task(s) qualified for the task(s)? |

6. Other Incident Cause - only one sub-cause can be selected from the shaded block and column:
   - If Miscellaneous:
   1. Describe: |
   2. Specify: |

Part 3: Narrative Description of the Incident

Following receipt of one call ticket number 101525391, the locator was unable to locate the reported excavation activity.
and therefore was unable to place temporary markers over the line at the proposed excavation site. In response to a related one call ticket number, 101625432, the locator contacted the excavator on the morning of June 7, 2010. Based on this communication, the locator understood that the referenced work was complete and closed the ticket with notation of "No Conflict".

As of the date of this filing, this incident is under investigation. Injuries, estimated costs to the operator, and other required filing information will be submitted in the form of supplemental filings.

### PART I: PREPARER AND AUTHORIZED SIGNATURE

<table>
<thead>
<tr>
<th>Preparer’s Name</th>
<th>Matthew Strifmann</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparer’s Title</td>
<td>Pipeline Compliance Specialist</td>
</tr>
<tr>
<td>Preparer’s Telephone Number</td>
<td>713-381-8209</td>
</tr>
<tr>
<td>Preparer’s E-mail Address</td>
<td><a href="mailto:mstrifmann@aprod.com">mstrifmann@aprod.com</a></td>
</tr>
<tr>
<td>Preparer’s Facsimile Number</td>
<td></td>
</tr>
<tr>
<td>Authorized Signature’s Name</td>
<td>Matthew Strifmann</td>
</tr>
<tr>
<td>Authorized Signature Title</td>
<td>Pipeline Compliance Specialist</td>
</tr>
<tr>
<td>Authorized Signature Telephone Number</td>
<td>713-381-8209</td>
</tr>
<tr>
<td>Authorized Signature E-mail</td>
<td><a href="mailto:mstrifmann@aprod.com">mstrifmann@aprod.com</a></td>
</tr>
<tr>
<td>Date</td>
<td>07/06/2010</td>
</tr>
</tbody>
</table>
NATIONAL RESPONSE CENTER 1-800-424-8802
*** For Public Use ***
Information released to a third party shall comply with any applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 943141

INCIDENT DESCRIPTION

*Report taken at 17:56 on 07-JUN-10
Incident Type: PIPELINE
Incident Cause: OTHER
Affected Area:
The incident occurred on 07-JUN-10 at 12:00 local time.
Affected Medium: AIR / ATMOSPHERE

Suspected Responsible Party
Organization: ENTERPRISE OPERATING LLC.
HOUSTON, TX 77210
Type of Organization: PRIVATE ENTERPRISE

INCIDENT LOCATION

County: JOHNSON
City: GODLEY State: TX
Hwy 67 NEAR GODLEY, TX / NEAR GEORGE'S CREEK RANCH

RELEASED MATERIAL(S)

CHRIS Code: ONG
Official Material Name: NATURAL GAS
Also Known As:
Qty Released: 0 UNKNOWN AMOUNT

DESCRIPTION OF INCIDENT

CALLER IS REPORTING THAT A CONTRACTOR WAS DOING SOME DIGGING AND STRUCK A 36" PIPELINE WHICH CAUSED A RELEASE OF NATURAL GAS.

INCIDENT DETAILS

Pipeline Type: TRANSMISSION
DOT Regulated: YES
Pipeline Above/Below Ground: BELOW
Exposed Or Under Water: NO
Pipeline Covered: UNKNOWN

DAMAGES

Fire Involved: YES
Fire Extinguished: UNKNOWN
INJURIES: NO
Hospitalized: Empl/Crew: Passenger:
FATALITIES: YES
Empl/Crew: Passenger: Occupant:
EVACUATIONS: UNKN
Who Evacuated: Radius/Area: Damages: UNKNOWN

Closure Type
Air: N

Description of Closure
Length of Closure
Direction of Closure

Road: N
Waterway: N
Track: N
Passengers Transferred: NO

ENVIRONMENTAL IMPACT: NO
Media Interest: HIGH Community Impact due to Material:

REMEDIAL ACTIONS
CLOSED THE BLOCK VALVES ON EITHER SIDE OF THE RELEASE, ISOLATED THE SECTION OF PIPELINE
Release Secured: NO
Release Rate:
Estimated Release Duration:

WEATHER
Weather: UNKNOWN, °F

ADDITIONAL AGENCIES NOTIFIED
Federal: NONE
State/Local: NONE
State/Local On Scene: NONE
State Agency Number: NONE

NOTIFICATIONS BY NRC
USCG TCC (ICC ONI)
07-JUN-10 18:06
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)
07-JUN-10 18:06
EPA OCM (MAIN OFFICE)
07-JUN-10 18:08
EPA OCM (AFTER HOURS SECONDARY)
07-JUN-10 18:08
U.S. EPA VI (MAIN OFFICE)
07-JUN-10 18:10
FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA RESPONSE WATCH CENTER)
07-JUN-10 19:53
USCG NATIONAL COMMAND CENTER (MAIN OFFICE)
07-JUN-10 18:11
INFO ANALYSIS & INFRA PROTECTION (MAIN OFFICE)
07-JUN-10 18:06
JFO-LA (COMMAND CENTER)
07-JUN-10 18:06
NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)
07-JUN-10 18:06
NATIONAL INFRASTRUCTURE COORD CTR (INFRASTRUCTURE PROTECTION)
07-JUN-10 18:06
NOAA PRTS FOR TX (MAIN OFFICE)
07-JUN-10 18:06
NATIONAL RESPONSE CENTER HQ (MAIN OFFICE)
07-JUN-10 18:11
NTSB PIPELINE (MAIN OFFICE)
07-JUN-10 18:06
HOMELAND SEC COORDINATION CENTER (MAIN OFFICE)
07-JUN-10 18:06
PIPELINE & HAZMAT SAFETY ADMIN (OFFICE OF PIPELINE SAFETY (AUTO))
07-JUN-10 18:06
PIPELINE & HAZMAT SAFETY ADMIN (OFFICE OF PIPELINE SAFETY WEEKDAYS (VERBAL))
07-JUN-10 18:11
TRCEQ (MAIN OFFICE)
07-JUN-10 18:06
TEXAS STATE OPERATIONS CENTER (COMMAND CENTER)
07-JUN-10 18:06

ADDITIONAL INFORMATION
CALLER HAD NO INFORMATION ON THE THREE FATALITIES.

*** END INCIDENT REPORT # 943141 ***

http://www.nrc.uscg.mil/reports/rwservelet?standard_web+inc_seq=943141
7/19/2010
INCIDENT DESCRIPTION

*Report taken at 17:52 on 07-JUN-10
Incident Type: PIPELINE
Incident Cause: EXPLOSION
Affected Area:
The incident was discovered on 07-JUN-10 at 15:14 local time.
Affected Medium: AIR

Suspected Responsible Party

Organization: ENTERPRISE PRODUCTS
HOUSTON, TX 77002
Type of Organization: PRIVATE ENTERPRISE

Inefficient Location

County: JOHNSON
State: TX
JOHNSON COUNTY, TX

Released Material(s)

CHRIS Code: CNG Official Material Name: NATURAL GAS
Also Known As:
Qty Released: 0 UNKNOWN AMOUNT

Description of Incident

A 36" NATURAL GAS TRANSMISSION LINE SUFFERED AN EXPLOSION. THE CAUSE OF THE EXPLOSION IS UNKNOWN AT THIS TIME. THERE MAY BE INJURIES AND/OR FATALITIES, BUT THE NUMBERS OF EACH ARE UNKNOWN AT THIS TIME.

Incident Details

Pipeline Type: TRANSMISSION
DOT Regulated: NO
Pipeline Above/Below Ground: BELOW
Exposed or Under Water: NO
Pipeline Covered: UNKNOWN

DAMAGES

Fire Involved: YES Fire Extinguished: NO
INJURIES: UNKN Hospitalized: Empl/Crew: Passenger:
FATALITIES: UNKN Empl/Crew: Passenger: Occupant:
EVACUATIONS: NO Who Evacuated: Radius/Area:

DAMAGES

Closure Type Description of Closure Length of Direction of
Air: N Closure
Road: Major
Waterway: N Artery: N
Track: N
Passengers Transferred: NO Environmental Impact: UNKNOWN

Media Interest: HIGH  Community Impact due to Material:

REMEDIAL ACTIONS

LINE HAS BEEN ISOLATED VIA VALVES.
Release Secured: UNKNOWN
Release Rate: Estimated Release Duration:

WEATHER

Weather: UNKNOWN, °F

ADDITIONAL AGENCIES NOTIFIED

Federal: NONE
State/Local: TX RAILROAD COMMISSION
State/Local On Scene: NONE
State Agency Number: RRC/529

NOTIFICATIONS BY NRC

USCG ICC (TCC ONI)
07-JUN-10 17:57

DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)
07-JUN-10 17:57

EPA OEM (MAIN OFFICE)
07-JUN-10 17:59

EPA OEM (AFTER HOURS SECONDARY)
07-JUN-10 18:00

U.S. EPA V2 (MAIN OFFICE)
07-JUN-10 18:02

FBI STRATEGIC INFO OPERATIONS CNTR (MAIN OFFICE)
07-JUN-10 18:03

FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA RESPONSE WATCH CENTER)
07-JUN-10 19:53

USCG NATIONAL COMMAND CENTER (MAIN OFFICE)
07-JUN-10 18:04

JFO-LA (COMMAND CENTER)
07-JUN-10 17:57

NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)
07-JUN-10 17:57

NOAA RPTS FOR TX (MAIN OFFICE)
07-JUN-10 17:57

NATIONAL RESPONSE CENTER HQ (MAIN OFFICE)
07-JUN-10 18:04

NEXIS PIPELINE (MAIN OFFICE)
07-JUN-10 17:57

HOMELAND SEC COORDINATION CENTER (MAIN OFFICE)
07-JUN-10 17:57

PIPELINE & HAZMAT SAFETY ADMIN (OFFICE OF PIPELINE SAFETY (AUTO))
07-JUN-10 17:57

PIPELINE & HAZMAT SAFETY ADMIN (OFFICE OF PIPELINE SAFETY WEEKDAYS (VERBAL))
07-JUN-10 18:04

RHODE ISLAND FUSION CENTER (COMMAND CENTER)
07-JUN-10 17:57

TCEQ (MAIN OFFICE)
07-JUN-10 17:57

TEXAS STATE OPERATIONS CENTER (COMMAND CENTER)
07-JUN-10 17:57

ADDITIONAL INFORMATION

CALLER HAD LIMITED INFORMATION AT THIS TIME.

*** END INCIDENT REPORT ‡  943140  ***
SAM Inc. (Surveying And Mapping Inc.) was hired by Power Engineers, Inc. at the preliminary design phase to attempt to locate utilities within the Brazos Electric right-of-way. Power Engineers provided SAM with drawings depicting preliminary pole locations.

SAM's efforts consisted of three primary categories: (1) making a One Call to secure information from utilities within the Brazos' right-of-way, (2) "sweeping" the Brazos right-of-way using electromagnetic equipment while also absorbing for obvious surface features that might indicate buried utilities within the Brazos right-of-way, and (3) survey the approximate location of identified utilities.

The Enterprise gas line was not identified to SAM by the One Call process or by SAM's sweeping the Spunky to George's Creek right-of-way. A copy of SAM's One Call tickets were provided.

The General Notes on SAM's plans state facts about SAM's work and is a standard note. The G through G7 notes are a legend of the depicted utilities. The "did not sweep wet lands" area indicates that SAM did not sweep the cross-hatched area.

SAM's records indicate the Brazos right-of-way is 60 feet wide for Spunky to George's Creek. SAM utilized the MetaTech 810 as its electromagnetic equipment on this job.

I have read the statement made above. It contains an accurate account of information I have freely given to employee(s) of the Railroad Commission of Texas. My signature below indicates that the information contained in this statement is true and correct to the best of my knowledge.

Name (Please Print)

Terry Sullivan

Inspector's Signature

[Signature]

LONE STAR NOTIFICATION CENTER

Ticket No: 30792350
Transmit Date: 11/03/2009
Original Call Date: 11/03/2009
Work to Begin Date: 11/05/2009

NOTI-Routine Time: 15:44
Op: TESSTOC

NEW TICKET

Call Information
Company: SURVEYING AND MAPPING, INC.
Contact Name: JOSEPH COPELAND
Contact Email: JCOPELAND@SAMINC.BIZ
Alt. Contact Name: JOSEPH COPELAND
Fax Phone: (512) 325-3029
Contact Phone: (512) 587-0417
Ext: MBL
Alt. Contact Phone: (512) 447-0575

Type of Work: POLE/SIGN INSTALLATION-Normal
Work Being Done For: POWER ENGINEERS/ ELEC
Explosives: N
Duration: 14 DAYS
Digging deeper than 18ln.?:

Dig Site Location
State: TX
County: JOHNSON
Place: CLEBURNE
Address: CR 1120
Nearest Intersecting Street: FM 2174

Extent of Work:
TKT 1 OF 2: JOHNSON CO PLEASE CALL PRIOR TO LOCATING LINES*** FROM THE INTER OF FM 2174 AND CR 325 AKA CR 1120, GO E ON CR 325 FOR 2.5MI, LOCATE ELEC LINE EASEMENT GOING SW APPX 1000FT TO CR 308.

Remarks:
POWER POLE REPL TESSTOC: 093075386 Seq: 3840 Rcd: 11/03/09 15:42 WSTD: 11/05/09 16:30

Map: Page:
Map: Page:
ExCoord NW Lat: 32.3211925 Lon: -97.8170912
SE Lat: 32.2912811 Lon: -97.8037425

Members
District Code Company Name Marking Concerns Damage/Repair Customer Service
EMPIRE01 EMPIRE PIPELINE CORP
LONE STAR NOTIFICATION CENTER

Ticket No: 30792365 
Transmit Date: 11/03/2009 
Original Call Date: 11/03/2009 
Work to Begin Date: 11/05/2009 
Time: 15:45 
Time: 15:38 
Time: 15:45

Op: TESSTOC 
Op: TESSTOC

Caller Information
Company: SURVEYING AND MAPPING, INC. 
Contact Name: JOSEPH COPELAND 
Contact Phone: (512) 328-3029 
Fax Phone: (512) 328-3029 
Contact Email: JCOPELAND@SAMINC.BIZ 
Ext: MBL 
Alt. Contact Name: JOSEPH COPELAND 
Alt. Contact Phone: (512) 447-0575

Dig Site Information
Type of Work: POLE/SIGN INSTALLATION-Normal 
Work Being Done For: POWER ENGINEERS/ ELEC 
Explosives: N 
Duration: 14 DAYS

Dig Site Location
State: TX 
County: SOMERVELL 
Place: GLEN ROSE 
Address: CR 1120 
Nearest Intersecting Street: FM 2174

Extent of Work:
TKT 2 OF 2: SOMERVELL CO PLEASE CALL PRIOR TO LOCATING LINES*** FROM THE INTER OF FM 2174 AND CR 325 AKA CR 1120, GO E ON CR 325 FOR 2.5MI, LOCATE ELEC LINE EASEMENT GOING SW APPX 1000FT TO CR 308.

Remarks:
POWER POLE REPL TESSTOC: 093075407 Seq: 3857 Rd: 11/03/09 15:44 WTBD: 11/05/09 15:45

Map: 
Map: 
ExCoord NW Lat: 32.3128856 Lon: -97.5295231 
SE Lat: 32.2767811 Lon: -97.8120756

Members
District Code 
Company Name 
Marking Concerns 
Damage/Repair 
Customer Service
EMPIRE01 
EMPIRE PIPELINE CORP

DIG-TESS Locate Request For Texas811

Ticket Number: 093075407
Priority: Normal
Source: Voice
Type: Normal

Old Ticket: Martel A
Hours Notice: 48
Date: 11/3/2009 3:41:24 PM

Company Information

SURVEYING AND MAPPING, INC.
5008 W HIGHWAY 290 - BLDG B
AUSTIN, TX 78735
Phone: (512) 447-0575
Fax: (512) 326-3029
Alt Contact: (512) 493-0243
Caller Email: JCOPELAND@SAMINC.BIZ
Type: Contractor
Contact: JOSEPH COPELAND
Caller: JOSEPH COPELAND
Caller Phone: (512) 387-0417
Callback: 0800 - 1700

Work Information

State: TX
County: SOMERVELL
Place: GLEN ROSE
Street: 0 CR 1120
Intersection: FM 2174
Nature of work: POWER POLE REPL
Explosives: No
White Lined: No
Mapsco:

Deeper Than 16": Yes
Duration: 14 DAYS

Remarks

TKT 2 OF 2: SOMERVELL CO
PLEASE CALL PRIOR TO LOCATING LINES***
FROM THE INTER OF FM 2174 AND CR 325 AXA CR 1120, GO E ON CR 325 FOR 2.5MI,
LOCATE ELEC LINE EASEMENT GOING SW APPX 10000FT TO CR 308.

Members

Code Name

BUL COWTOWN PIPELINE
CL9 UNITED COOPERATIVE SERVICES INC (CLEBURNE DIST)
ECA ENCAINA OIL & GAS (USA)
FRC ENERGY TRANSFER
PKP CONOCO PHILLIPS-FORT WORTH BASIN
ATMOS-MIDTX-PIPELINE-UQ (SOUTHEAST)
TS6 ATT/D - DISTRIBUTION CABLE (ATT/D_SMP-F)
WHY WINDSTREAM COMMUNICATIONS

Location

Latitude: 32.3082097444935 Longitude: -97.6263953381056
Second Latitude: 32.2834650176212 Second Longitude: -97.6147632015417

Grids

321700097363A 321730097363A 321730097363C 321800097363A 321800097363C
321830097363C 321830097370A 321830097370B 321830097370A 321830097370B
321830097370C 321700097370A 321730097370A 321730097370B 321730097370C
321730097370D 321800097370B 321800097370D 321700097373B 321700097373D
321730097373D
DIG-TESS Locate Request For Texas811

Ticket Number: 093075386
Priority: Normal
Source: Voice
Type: Normal
Old Ticket: 
By: Mariel A
Hours Notice: 48
Date: 11/3/2009 3:38:21 PM

Company Information

SURVEYING AND MAPPING, INC.
5508 W HIGHWAY 290 - BLDG B
AUSTIN, TX 78735

Type: Contractor
Contact: JOSEPH COPELAND
Caller: JOSEPH COPELAND
Phone: (512) 447-0575
Caller Phone: (512) 587-0417
Fax: (512) 326-3029
Callback: 0800 - 1700
Alt Contact: (512) 493-0243
Caller Email: JCOPELAND@SAMINC.BIZ

Work Information

State: TX
County: JOHNSON
Place: CLEBURNE
Street: 0 CR 1120
Intersection: FM 2174
Nature of work: POWER POLE REPL
Explosives: No
White Lined: No
Deeper Than 16": Yes
Duration: 14 DAYS

Remarks

TXT 1 OF 2: JOHNSON CO
PLEASE CALL PRIOR TO LOCATING LINES***
FROM THE INTER OF FM 2174 AND CR 325 AKA CR 1120, GO E ON CR 325 FOR 2.5MI,
LOCATE ELEC LINE EASEMENT GOING SW APPX 10000FT TO CR 308.

Members

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>BT2</td>
<td>Barnett Gathering</td>
</tr>
<tr>
<td>BUL</td>
<td>Cowtown Pipeline</td>
</tr>
<tr>
<td>CL9</td>
<td>United Cooperative Services Inc (Cleburne Dist)</td>
</tr>
<tr>
<td>ECA</td>
<td>Encana Oil &amp; Gas (USA)</td>
</tr>
<tr>
<td>FRC</td>
<td>Energy Transfer</td>
</tr>
<tr>
<td>PKK</td>
<td>Conoco Phillips-Fort Worth Basin</td>
</tr>
<tr>
<td>T56</td>
<td>Att/D = Distribution Cable (Att/D_SMP-F)</td>
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<tr>
<td>WHV</td>
<td>Windstream Communications</td>
</tr>
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</table>

Location

Latitude: 32.3178792922864 Longitude: -97.6150886408435
Second Latitude: 32.2962145265329 Second Longitude: -97.6063918583914

Grids

- 321800097360A 321830097360A 321830097360C 321900097360C 321730097363A
- 321730097363B 321730097363C 321800097363A 321800097363B 321800097363C
- 321800097363D 321830097363B 321830097363C 321830097363D 321900097363D

Page 1
Enterprise Products Operating L.P. ("EPOLP") has received the following dig ticket from Texas One Call Agency that you are planning activities that might be in the vicinity Pipeline Systems operated by EPOLP.

Ticket Number: 101525391
State: TX
Excavator: C & H POWER LINE
Email Address:
Fax Number: (918) 534-9169
Phone Number: (673) 300-2118
Excavator Contact: COLBY CHADRICK
Dig Address: 0 CR 1120
County: JOHNSON

Based upon the excavation activity and location information you provided in dig request 101525391, your activities should not impact the Pipeline Systems operated by EPOLP and EPOLP does not plan on marking the proximate location of the portion of the Pipeline Systems which may be in the vicinity of such activity.

If you believe that your activity might affect or impact the above mentioned Pipeline Systems or if the information provided changes or was incorrect or incomplete, you cannot proceed with your activity and you must immediately contact EPOLP's E-Call Center at 1-877-24-ECALL (1-877-243-2255).
TICKET AUDIT REPORT

STATE: TX  REQUEST NO: 101525391  ADDRESS: 0 CR 1120
CDC: EFH  SEQ NO 7  INTERSECTION: HWY 67
LATITUDE: 32.31041667  LONGITUDE: -97.61041667

LOCATOR: mdecker  CONTACT:  CONTACT DATE:  PHONE:  PICTURES:
DESCRIPTION: Clear Code K

COMMENTS:

 TICKET NOTES:
LINE EXPOSED: N/A  LATITUDE:
EXCAVATOR MONITORED: N/A  LONGITUDE:
INCORRECT INFORMATION: N/A  PIPELINE DIST: 0
MISSING INFORMATION: N/A
LINE CROSSING: N/A
BUFFER: NO
FIELD VISIT: NO

MONITOR STATUS: NO

EVENT DATE: EVENT: USER:
06/01/2010 03:25:47PM Ticket Prepared at Call Center onecall
06/01/2010 03:26:51PM Ticket Received from Call Center onecall
06/01/2010 03:27:50PM Loaded Ticket into Database onecall
06/01/2010 03:30:56PM Prescreen Routed Ticket To EFH cdowler
06/02/2010 06:19:03AM CDC Got Ticket From Server mdecker
06/02/2010 06:19:03AM Ticket picked up by CDC mdecker
06/02/2010 06:24:52AM Viewed Ticket mdecker
06/02/2010 06:25:14AM Viewed Ticket mdecker
06/04/2010 03:56:24PM Viewed Ticket mdecker
06/04/2010 03:58:45PM Closed Ticket No Conflict mdecker
06/04/2010 03:58:56PM CDC Sent Ticket Back to Server mdecker
06/04/2010 03:58:57PM Server Got Ticket from CDC mdecker
06/04/2010 04:05:23PM Sent Fax to Queue administrator
06/04/2010 04:08:05PM Notification by Fax Successful administrator
06/04/2010 04:18:34PM Notification Failed -Missing/Disabled administrator

OneCall Center: NEW TESS 2008
DIG-TESS Locate Request For EFH

Ticket Number: 101525391  Old Ticket:
Priority: Normal  By: Max C
Source: Voice  Hours Notice: 48
Type: Normal  Date: 6/1/2010 3:25:47 PM
Sequence: 7
Map Reference:

Company Information

C & H POWER LINE  Type: Contractor
NOT PROVIDED  Contact: COLBY CHADDICK
TICKET AUDIT REPORT

DEWEY, OK 77777  
Caller: COLBY CHADDICK
Phone: (573) 300-2118  
Caller Phone: (573) 300-2118
Fax: (918) 534-9169  
Callback: 0800 - 1700
Alt Contact:
Caller Email: CALLER DID NOT PROVIDE EMAIL

Work Information

State: TX  
Work Date: 06/03/10 at 1530
County: SOMERVELL  
Type: POLE/SIGN INSTALLATION
Place: GLEN ROSE  
Done For: BRAZOS BLEC
Street: CR 1120
Intersection: HWY 67
Nature of Work: DIGGING HOLES & SETTING POLES
Explosives: No  
Deeper Than 16": Yes
White Lined: No  
Duration: 99 DAYS
Mapco:

Remarks

TICKET 2 OF Z**101525391** STARTING IN JOHNSON CO**
FROM THE INTER TRAVEL N APPX 2.5 MI, TURN W APPX 0.25 MI TO START OF LOC,
GPS N 32.3157635 W 97.613392
FROM THAT POINT LOC W AT EXISTING POWER LINE APPX 1.5 MI TO ENDING LOC
GPS N 32.29488941 W 97.6236665

Members

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<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Added Manually</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT2</td>
<td>BARNETT GATHERING</td>
<td>No</td>
</tr>
<tr>
<td>CL9</td>
<td>UNITED COOPERATIVE SERVICES INC (CLEBURNE DIST)</td>
<td>No</td>
</tr>
<tr>
<td>ECA</td>
<td>ENCANA OIL &amp; GAS (USA)</td>
<td>No</td>
</tr>
<tr>
<td>EPH</td>
<td>ENTERPRISE PRODUCTS - HILLSBORO</td>
<td>No</td>
</tr>
<tr>
<td>ERC</td>
<td>ENERGY TRANSFER</td>
<td>No</td>
</tr>
<tr>
<td>EPK</td>
<td>CONOCO PHILLIPS-PURCHASE WORTH BASIN</td>
<td>No</td>
</tr>
<tr>
<td>PSE</td>
<td>ATOS-MIDTX-PIPELINE-UQ (SOUTHEAST)</td>
<td>No</td>
</tr>
<tr>
<td>TSK</td>
<td>ATT/D - DISTRIBUTION CABLE (ATT/D_SMP-F)</td>
<td>No</td>
</tr>
<tr>
<td>WHY</td>
<td>WINDSTREAM COMMUNICATIONS</td>
<td>No</td>
</tr>
</tbody>
</table>

Location

Latitude: 32.3182263410471  
Longitude: -97.6265078793129
Second Latitude: 32.2919642720663  
Second Longitude: -97.6090733565442

Grids

321800097363A 321800097363C 321830097363A 321830097363C 321900097363C
321700097370A 321730097370A 321730097370B 321730097370C 321730097370D
321800097370A 321800097370B 321800097370C 321800097370D 321830097370B
321830097370D 321730097373B 321730097373D

File Number: T0601000.701
Received: Tuesday, June 01, 2010 AT 15:30:16 Local Time
Enterprise Products Operating L.P. ("EPOLP") has received the following dig ticket from Texas One Call Agency that you are planning activities that might be in the vicinity of Pipeline Systems operated by EPOLP.

Ticket Number: 101525432
State: TX
Excavator: C & H POWER LINE
Email Address: 
Fax Number: (918) 534-9169
Phone Number: (573) 300-2118
Excavator Contact: COLBY CHADDRICK
Dig Address: O CR 1120
County: SOMERVELL

Based upon the excavation activity and location information you provided in dig request 101525432, your activities should not impact the Pipeline Systems operated by EPOLP and EPOLP does not plan on marking the proximate location of the portion of the Pipeline Systems which may be in the vicinity of such activity.

If you believe that your activity might affect or impact the above mentioned Pipeline Systems or if the information provided changes or was incorrect or incomplete, you cannot proceed with your activity and you must immediately contact EPOLP’s E-Call Center at 1-877-24-ECALL (1-877-243-2255).
TICKET AUDIT REPORT

STATE: TX  REQUEST NO: 101525432  ADDRESS: 0 CR 1120
CDE: EFH  SEQ NO 8  INTERSECTION: HWY 67
LATITUDE: 32.30416667  LONGITUDE: -97.62083333

LOCATOR: mdecker  CONTACT: COLBY CHADDICK  PHONE: (573) 300-2118
LOCATE DATE: CONTACT DATE: 6/7/2010  7:59:00AM  PICTURES:
DESCRIPTION: Clear Code C

COMMENTS:

TICKET NOTES:
LINE EXPOSED: N/A  LATITUDE:
EXCAVATOR MONITORED: N/A  LONGITUDE:
INCORRECT INFORMATION: NO  PIPELINE DIST: 0
MISSING INFORMATION: NO
LINE CROSSING: N/A
BUFFER: NO
FIELD VISIT: NO

MONITOR STATUS: NO

EVENT DATE: EVENT: USER:
06/01/2010 03:29:07PM Ticket Prepared at Call Center onecall
06/01/2010 03:30:16PM Ticket Received from Call Center onecall
06/01/2010 03:32:11PM Loaded Ticket into Database onecall
06/01/2010 04:23:43PM Prescreen Routed Ticket To EFH rpark
06/07/2010 07:50:15AM CDC Got Ticket From Server mdecker
06/07/2010 07:50:15AM Ticket picked up by CDC mdecker
06/07/2010 07:50:30AM Viewed Ticket mdecker
06/07/2010 07:50:39AM Viewed Ticket mdecker
06/07/2010 07:57:34AM Viewed Ticket mdecker
06/07/2010 07:59:45AM Closed Ticket No Conflict mdecker
06/07/2010 07:59:55AM CDC Sent Ticket Back to Server mdecker
06/07/2010 07:59:55AM Server Got Ticket from CDC mdecker
06/07/2010 08:16:22AM Sent Fax to Queue administrator
06/07/2010 08:19:01AM Notification by Fax Successful administrator
06/07/2010 08:43:40AM Notification Failed -Missing/Disabled administrator

OneCall Center: NEW_TESS_2008
DIG-TESS Locate Request For EFH

Ticket Number: 101525432  Old Ticket:
Priority: Normal  By: Max C
Source: Voice  Hours Notice: 48
Type: Normal  Date: 6/1/2010 3:29:07 PM
Sequence: 8
Map Reference:

Company Information
C & H POWER LINE  Type: Contractor
NOT PROVIDED  Contact: COLBY CHADDICK
July 7, 2010

Mary McDaniel  
Pipeline Safety Director  
Railroad Commission of Texas  
Safety Division  
P.O. Box 12867  
Austin, TX 78711-2867  

RE: Incident # 43192, Reference # 61883-1

Dear Ms. McDaniel,

I had the opportunity to work with your inspectors Randy Vaughn and Terry Sullivan during the investigation of the pipeline explosion in Johnson County, Texas which occurred on June 7, 2010 where our firm was drilling a vertical 48" diameter hole to set an overhead power transmission line pole for Brazos Electric Cooperative. I would like to state that both of these gentlemen were very helpful and provided tremendous support and assistance through this difficult time for our company.

We are very proud of our safety record and the quality of the employees that were on this jobsite and after our internal investigation, we believe that we did everything in compliance with the regulations and guidelines set for underground excavation in the State of Texas and accepted safe industry practices. Even though we followed all proper procedures, there was obviously a catastrophic accident that caused the fatality of one of our most senior superintendents who was actually operating the drill at the time of the accident.

As always, hind sight allows us to reflect on what else we could have done to prevent this accident and while the facts indicate the Enterprise pipeline that was hit was unmarked and not located. In an effort to add additional precaution and create a larger safety zone after all known pipelines in the area were thought to be located and marked, we were moved at the direction of our client, Brazos Electric (10") ten feet to the point where the drill-in occurred on the unknown and unlocated Enterprise pipeline. In looking back, there may have been additional items that could have been implemented. Our company intends to implement some additional items in the future within our safety plans as well as our field operating procedures hopefully to prevent an event like this from happening to our employees and company again.

The following is a list of action items that have already been put in place, or are underway to improve our safety and operations.

1. C&H has provided specific underground drilling training to the entire crew involved at the accident site. We have also had additional on site training for underground hazards and

Our People Make the Difference
the specific reporting and record keeping rules for every C&H crew operating at other locations in Texas.

2. C & H Foremen, supervisors, and drill operators will attend the Texas 811 Excavator Training 2010 program.

3. Per Subchapter D requirements relating to excavation, Section 251.151 Duty of an excavator Subsection (C) — we have adopted a company policy to request a representative from the operator to be present during excavation and drilling in the area of known pipelines.

4. C&H will research and purchase an underground steel pipeline handheld locator to keep with the foremen on the drilling crews which will be used prior to drilling at every location.

5. C&H will assign a specific person at the main office to coordinate the retainage and record keeping for locate tickets and positive response notifications.

6. C&H will begin a field practice of white-lining with paint the entire drill hole diameter not just the center of the hole.

7. Where feasible and practical, C&H will increase it's useage of soft digging techniques.

8. C&H will adopt and utilize the Texas811 pre-excavation check list.

We would appreciate any feedback or comments on these action items and again would like to thank you and your staff for all the assistance that was offered.

Respectfully,

Fred Haag
Chief Operations Officer
C&H Power Line Construction Co.
1847 E. Portland Ave.
Dewey, OK 74029
(918)534-9180 phone
(918)534-9169 fax
(918)534-6499 cell

Our People Make the Difference